

# Week 8: Summer Internship

12 June 2021- 18 July 2021



# Tasks

The main tasks in this week are as follows:

- Testing google images into detecting morphing.
- Presentation/summary of the work done so far.
- Advanced morphed images.
- Testing google search engines against advanced morphed images.

# Morphing testing on google search




Tested at:  
<https://images.google.com/>

Google

Barack-Obama.png × ashton hilton dermatology ×

Q All Images Maps Shopping More Tools

About 152 results (0.69 seconds)

 Image size: 100 × 133  
No other sizes of this image found.

Possible related search: **ashton hilton dermatology**

<https://hiltondermatology.com> › board-certified-dermat... ›

**Our Dermatologists | Hilton Dermatology + Aesthetics**

A **dermatologist** who has been "board certified" has undergone the strict training required by the American Board of **Dermatology**. ... Dr. Ashton Taylor Hilton, MD.

<https://health.usnews.com> › Doctors ›


**Dr. Ashton T. Hilton, MD | Slidell, LA | Dermatologist | US ...**

Dr. Ashton T. Hilton is a **dermatologist** in Slidell, Louisiana and is affiliated with Slidell Memorial Hospital. He received his medical degree from Louisiana State ...

Pages that include matching images

<https://www.doximity.com> › States › Louisiana › Slidell

**Dr. Ashton Hilton, MD – Slidell, LA | Dermatology - Dximity**

 320 × 320 — Dr. Ashton Hilton, MD is a board certified dermatologist in Slidell, Louisiana. He is affiliated with Slidell Memorial Hospital.

# Morphing testing on google search



Tested at:  
<https://images.google.com/>


Google

unnamed.png x full hd narendra modi hd

Q All Images Maps Shopping More

Tools

About 841 results (1.16 seconds)

 Image size: 900 x 900  
No other sizes of this image found.

Possible related search: **full hd narendra modi hd**

<https://www.pmindia.gov.in> > image-gallery


**Photo Gallery | Prime Minister of India**


PM chairs a review meeting on Medical Oxygen related issues, through VC, in New Delhi ... The Prime Minister, Shri **Narendra Modi** interacting with the Directors ...

<https://www.gettyimages.in> > photos > narendra-modi

**69,941 Narendra Modi Photos and Premium High Res ...**

Find the perfect **Narendra Modi** stock photos and editorial news pictures from Getty ... Showing Editorial results for **narendra modi**. Search instead in Creative?

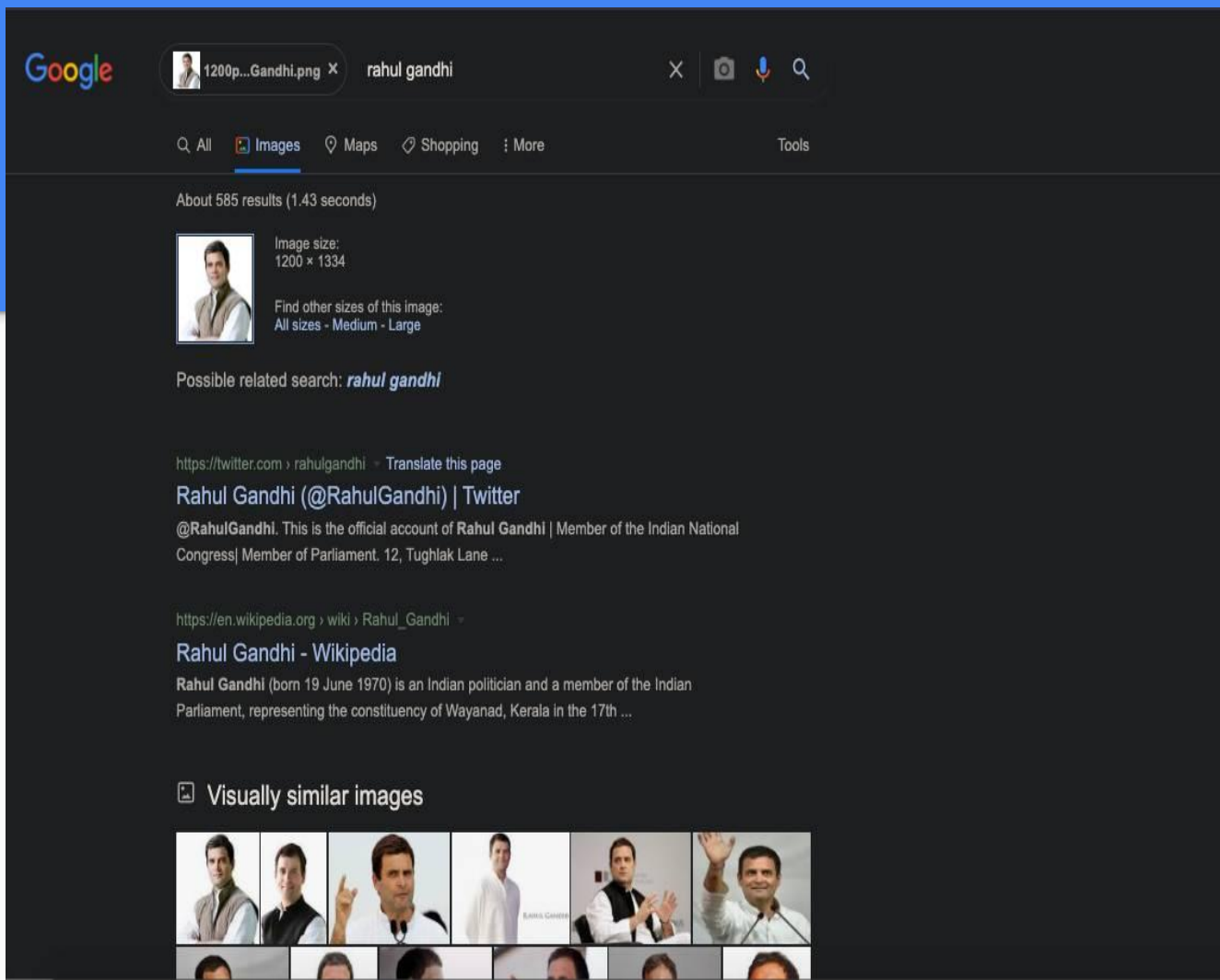
 **Visually similar images**



# Morphing testing on google search



Tested at:  
<https://images.google.com/>



The screenshot shows a Google Images search interface. At the top, the Google logo is on the left, and a search bar contains the text "rahul gandhi". To the right of the search bar are icons for image search, voice search, and a magnifying glass. Below the search bar, navigation tabs for "All", "Images", "Maps", "Shopping", and "More" are visible, with "Images" selected. The search results show "About 585 results (1.43 seconds)". A large image of Rahul Gandhi is displayed, with its dimensions "1200 x 1334" and a link to "Find other sizes of this image: All sizes - Medium - Large". Below the image, a "Possible related search: rahul gandhi" is suggested. Further down, there are links to "https://twitter.com/rahulgandhi" and "https://en.wikipedia.org/wiki/Rahul\_Gandhi". The Twitter link is titled "Rahul Gandhi (@RahulGandhi) | Twitter" and includes a description: "@RahulGandhi. This is the official account of Rahul Gandhi | Member of the Indian National Congress | Member of Parliament. 12, Tughlak Lane ...". The Wikipedia link is titled "Rahul Gandhi - Wikipedia" and includes a description: "Rahul Gandhi (born 19 June 1970) is an Indian politician and a member of the Indian Parliament, representing the constituency of Wayanad, Kerala in the 17th ...". At the bottom, there is a section titled "Visually similar images" showing a grid of small images related to the search query.

# Getting advanced morphed images.

Source: <https://pin.it/69XTlgb>

Got advanced morphed images created using <https://morphthing.com>


These include images that are morphed using more than 2 originals.

Google search engine was then tested against these morphes.

# Advanced morph-1

1. Gerard Butler &
2. Josh Duhamel.

Gerard Butler, Josh Duhamel



Gerard Butler & Josh Duhamel

[Gerard Butler](#) [Josh Duhamel](#)

**Morph**  
a new image

[Remove Favorite](#) [Morph this image](#)

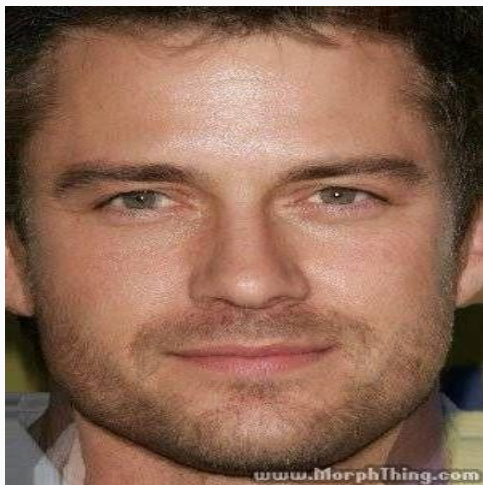
[Like](#) [Share](#) 63K people like this. Sign Up to see what your friends like.

[Tweet](#)






[Save](#)






[www.MorphThing.com](http://www.MorphThing.com)

# Advanced testing (1)




Tested at:  
<https://images.google.com/>

Google  × for adult    

 All  Images  Maps  Shopping  More Tools

About 229 results (1.10 seconds)

 Image size:  
300 × 400

Find other sizes of this image:  
All sizes - Small - Medium

Possible related search: *for adult*

<https://www.merriam-webster.com/dictionary/adult>


**Adult | Definition of Adult by Merriam-Webster**


English Language Learners Definition of **adult** · fully grown and developed · mature and sensible · not childish · of or intended **for** adults.

<https://www.cdc.gov/vaccines/adults>

**Adult Vaccination | CDC**

You are also at risk **for** different diseases as an **adult**. Vaccination is one of the most convenient and safest preventive care measures available.

 Visually similar images

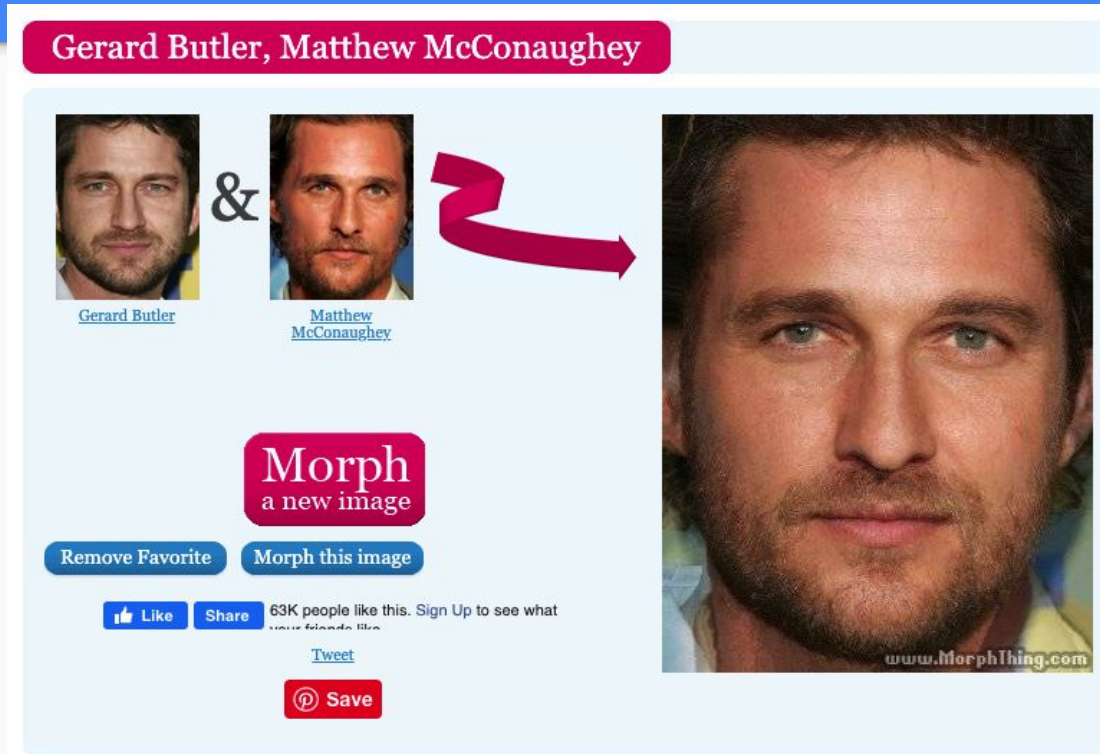




# Advanced morph-2

1. Gerard Butler &
2. Matthew McConaughey.

Gerard Butler, Matthew McConaughey



Gerard Butler

Matthew McConaughey

Morph  
a new image

Remove Favorite

Morph this image

Like Share 63K people like this. Sign Up to see what your friends like.

Tweet

Save

www.MorphThing.com

# Advanced testing (2)



Tested at:  
<https://images.google.com/>

The screenshot shows a Google Images search interface. At the top, the Google logo is on the left, and a search bar contains the text 'gerard butler and david beckham'. To the right of the search bar are icons for image, voice, and web search. Below the search bar, there are tabs for 'All', 'Images', 'Maps', 'Shopping', and 'More', with 'Images' being the active tab. To the right of these tabs is a 'Tools' link. Below the tabs, it says 'About 294 results (0.90 seconds)'. A large image of Gerard Butler is displayed on the left, with text to its right indicating 'Image size: 300 x 400' and a link to 'Find other sizes of this image: All sizes - Small - Medium'. Below this, it says 'Possible related search: *gerard butler and david beckham*'. Further down, there are two search results. The first result is a link to a YouTube video titled 'Gerard Butler Watches David Beckham In Action | People ...' with a date of '04-Dec-2012' and a brief description. The second result is a link to a Just Jared article titled 'Gerard Butler: MLS Cup 2012 with David Beckham! | David ...' with a date of '02-Dec-2012' and a brief description. At the bottom, there is a section titled 'Visually similar images' which displays a grid of 16 small thumbnail images of Gerard Butler.

# Note


In advanced testing 2, google was able to detect that it is a morph and also gave correct name for one of the originals but other one was not detected correctly.

This was similar to what happened in the case of Barack Obama and Cristiano Ronaldo.

# Advanced morph-3

1. Hugh Jackman &
2. Nathan Fillion.

Hugh Jackman, Nathan Fillion



[Hugh Jackman](#) & [Nathan Fillion](#)


**Morph**  
a new image

[Remove Favorite](#) [Morph this image](#)

[Like](#) [Share](#) 63K people like this. Sign Up to see what your friends like.

[Tweet](#)

[Save](#)



www.MorphThing.com

# Advanced testing (3)



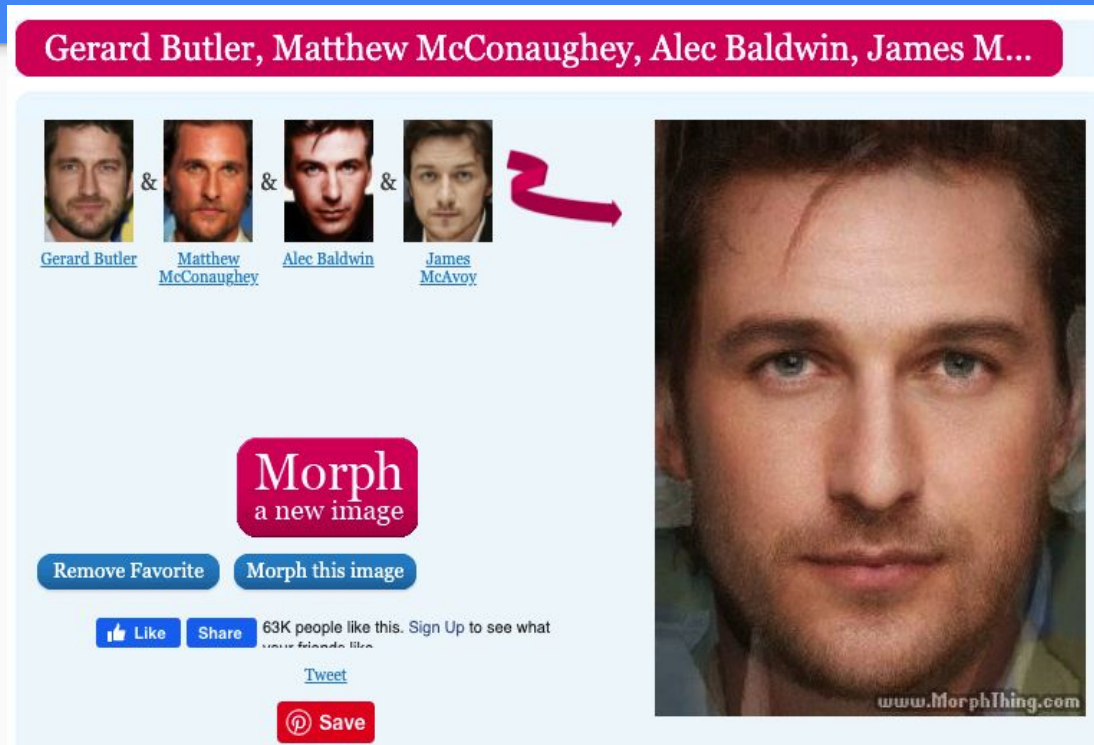
Tested at:  
<https://images.google.com/>

The screenshot shows a Google Images search interface. The search bar contains 'm3.jpeg' and the filter 'for adult'. The search results show 'About 3 results (1.05 seconds)'. The first result is a small thumbnail of the same man's face, with a description: 'Image size: 300 x 400' and 'Find other sizes of this image: All sizes - Small - Medium'. Below the thumbnail, it says 'Possible related search: **for adult**'. Further down, there are two links: 'https://www.merriam-webster.com › dictionary › adult' and 'https://www.cdc.gov › vaccines › adults'. The first link is titled 'Adult | Definition of Adult by Merriam-Webster' and the second is titled 'Adult Vaccination | CDC'. At the bottom, there is a section titled 'Visually similar images' showing a row of eight small portraits of men with similar features to the original image.

# Advanced morph-4

1. Gerard Butler,
2. Matthew McConaughey,
3. Alec Baldwin &
4. James McAvoy

Gerard Butler, Matthew McConaughey, Alec Baldwin, James M...



Gerard Butler & Matthew McConaughey & Alec Baldwin & James McAvoy

**Morph**  
a new image

Remove Favorite Morph this image

Like Share 63K people like this. Sign Up to see what your friends like.

Tweet

Save


www.MorphThing.com







# Advanced testing (4)




Tested at:  
<https://images.google.com/>

Google  × jim english actor

Q All  Images  Maps  Shopping  More Tools

About 271 results (1.45 seconds)

 Image size:  
300 × 400  
No other sizes of this image found.

Possible related search: *jim english actor*

<https://www.imdb.com/name/>


**Jim English - IMDb**


**Jim English, Actor:** New Blood. **Jim English** is an actor, known for New Blood (2016), Coronation Street (1960) and Peterloo (2018).

<https://www.imdb.com/name/>

**Jim English - IMDb**

**Jim English, Actor:** Expert Weapon. **Jim English** is an actor, known for Expert Weapon (1993).

 Visually similar images



# Note

In advanced testing 4, google did not throw common nouns like adult, man or boy.

It gave a specific answer Jim and that too specifically with the occupation English actor.


But the image was a morph of 4 different people.







# Advanced testing (5)




Tested at:  
<https://images.google.com/>

Google  m5.jpeg x happy

Q All  Images  Maps  Shopping  More Tools


About 234 results (2.42 seconds)


 Image size:  
300 × 400  
No other sizes of this image found.

Possible related search: **happy**

[https://www.youtube.com > watch =](https://www.youtube.com/watch=)  
**HAPPY - Pharrell Williams (feat. Minions) - YouTube**  
28-Jun-2013 — Pharrell Williams - Happy Music Video with Minions | Abonnieren ►  
<http://abo.yt/kc> | Despicable Me 3 Viral Movie #Trailer | Filminfos ...

[https://www.youtube.com > watch =](https://www.youtube.com/watch=)  
**Pharrell Williams - Happy (Video) - YouTube**  
08-Jan-2014 — Official Music Video for "Happy" by Pharrell Williams Listen to Pharrell:  
<https://PharrellWilliams.lnk.to/listenYD> Subscribe to the official ...


 Visually similar images



# Advanced morph-6

1. Penn Badgley &
2. James Marsden

Penn Badgley, James Marsden



[Penn Badgley](#) & [James Marsden](#)

**Morph**  
a new image

[Remove Favorite](#) [Morph this image](#)

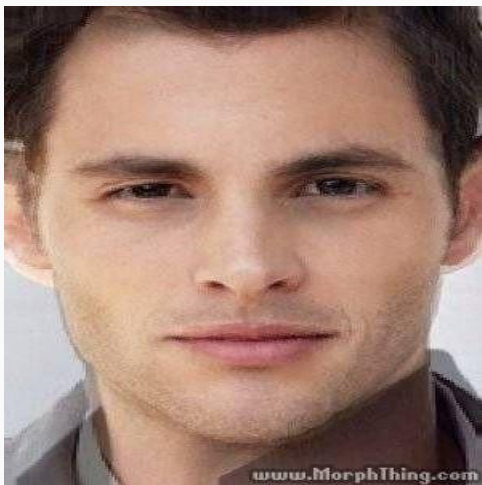
[Like](#) [Share](#) 63K people like this. Sign Up to see what your friends like

[Tweet](#)





[Save](#)






[www.MorphThing.com](http://www.MorphThing.com)

# Advanced testing (6)




Tested at:  
<https://images.google.com/>

Google  x james marsden penn badgley X   

 All  Images  Maps  Shopping  More Tools

About 218 results (1.13 seconds)

 Image size:  
300 × 400

Find other sizes of this image:  
All sizes - Small - Medium

Possible related search: **james marsden penn badgley**

<https://www.pinterest.com> > pin

**Penn Badgley and James Marsden | Hugh laurie, Robert ...**

Aug 21, 2013 - This Pin was discovered by Erica Jesse. Discover (and save!) your own Pins on Pinterest.

<https://www.thecut.com> > 2019/01 > penn-badgley-calls-o...


**Penn Badgley Calls Out Fans Who Love Joe From 'You'**

10-Jan-2019 — ... the wrong message from the show. Penn Badgley is trying to set them straight. ... Related. **James Marsden** Deserved Better in The Notebook ...

Pages that include matching images

<https://www.pinterest.com> > ericajesse7 > morphed-ima...

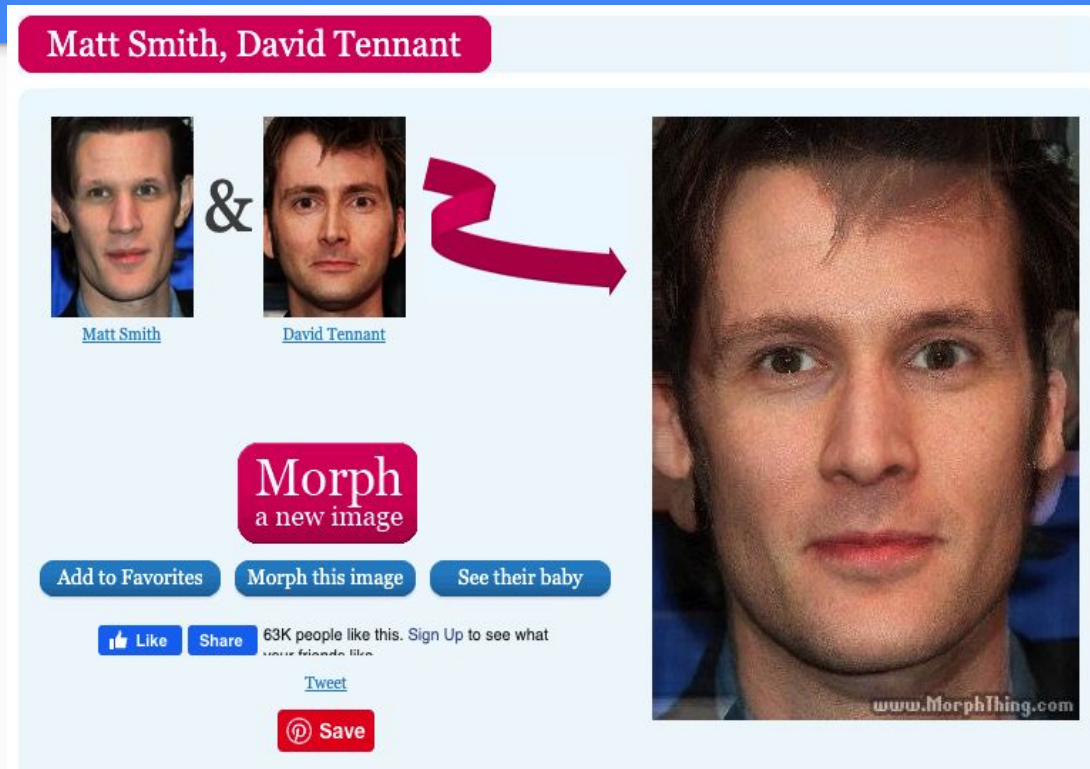
**9 Morphed Images ideas | gerard butler, celebrities, george ...**

 300 × 400 — Gerard Butler, Matthew McConaughey, Alec Baldwin, and James McAvoy Andy Lau, Joseph ... **Penn Badgley and James Marsden**. Addy, Gracie, Lydia and I Image.

# Advanced morph-7

1. Matt Smith &
2. David Tennant

Matt Smith, David Tennant



The screenshot shows the MorphThing website interface. At the top, a pink header bar contains the text "Matt Smith, David Tennant". Below this, two portrait photos of Matt Smith and David Tennant are displayed side-by-side, separated by an ampersand. A large, thick, pink arrow points from the two input photos towards a large portrait of the resulting morphed image on the right. Below the input photos, the names "Matt Smith" and "David Tennant" are written in blue text. In the center, there is a pink button with the text "Morph a new image". Below this button are three blue buttons: "Add to Favorites", "Morph this image", and "See their baby". At the bottom left, there are social media sharing buttons for "Like", "Share", and "Save". To the right of these buttons, text indicates "63K people like this. Sign Up to see what your friends like." and a "Tweet" button. The website URL "www.MorphThing.com" is visible in the bottom right corner of the morphed image.

Matt Smith & David Tennant

Morph a new image

Add to Favorites Morph this image See their baby






Like Share 63K people like this. Sign Up to see what your friends like. Tweet Save






www.MorphThing.com

# Advanced testing (7)



Tested at:  
<https://images.google.com/>

Google  **matt smith david tennant morph**    

 All  **Images**  Maps  Shopping  More Tools

About 229 results (1.20 seconds)




Image size:  
300 × 400

No other sizes of this image found.

Possible related search: ***matt smith david tennant morph***

<https://www.pinterest.com> › pin

**David tennant, Matt smith, John barrowman - Pinterest**

Aug 31, 2014 - Morphthing morphs faces together! This is an image of Matt Smith, David Tennant.

<https://www.pinterest.com> › pin


**Watch Matt Smith's Face Morph Into Peter Capaldi ... - Pinterest**

Aug 11, 2013 - I found a pretty cool GIF online of Matt Smith's face turning ... Baby girl joins Doctor Who dynasty as David Tennant and Georgia Moffett ...

Pages that include matching images

<https://www.pinterest.com> › zaya97

**isaiah crishom (zaya97) - Profile | Pinterest**



236 × 314 — Matt Smith, David Tennant. Morphthing morphs faces together! This is an image of Matt Smith, David Tennant. Isaiah crishom.

# Note

In advanced testing 6 & 7, google detected that it is a morph and also correctly gave the name of two originals.

Interestingly, the primary links that google showed were the links that contained these 9 morphes at the first place.



# Advanced morph-8

1. Ryan Gosling,
2. Ryan Seacrest &
3. Ryan Reynolds

Ryan Seacrest, Ryan Gosling, Ryan Reynolds

[Ryan Seacrest](#) & [Ryan Gosling](#) & [Ryan Reynolds](#)

**Morph**  
a new image

[Remove Favorite](#) [Morph this image](#)

[Like](#) [Share](#) 63K people like this. Sign Up to see what your friends like.

[Tweet](#)






[Save](#)






[www.MorphThing.com](#)

# Advanced testing (8)



Tested at:  
<https://images.google.com/>

Google  colton haynes    

 All  Images  Maps  Shopping  More Tools

About 284 results (0.95 seconds)




Image size:  
300 × 400

Find other sizes of this image:  
[All sizes](#) - [Small](#) - [Medium](#)

Possible related search: **colton haynes**

<https://www.instagram.com/coltonhaynes>


**Colton Haynes (@coltonhaynes) • Instagram photos and videos**


6.5m Followers, 637 Following, 1290 Posts - See Instagram photos and videos from Colton Haynes (@coltonhaynes)

[https://en.wikipedia.org/wiki/Colton\\_Haynes](https://en.wikipedia.org/wiki/Colton_Haynes)

**Colton Haynes - Wikipedia**

Colton Lee Haynes (born July 13, 1988) is an American actor and model. He is known for his starring role as Jackson Whittemore in the MTV supernatural drama ...

 Visually similar images





# Advanced morph-9

1. Gerard Butler,
2. Josh Duhamel,
3. Jude Law &
4. Adam Levine

Gerard Butler, Josh Duhamel, Jude Law, Adam Levine



**Morph**  
a new image

Remove Favorite

Morph this image



Like



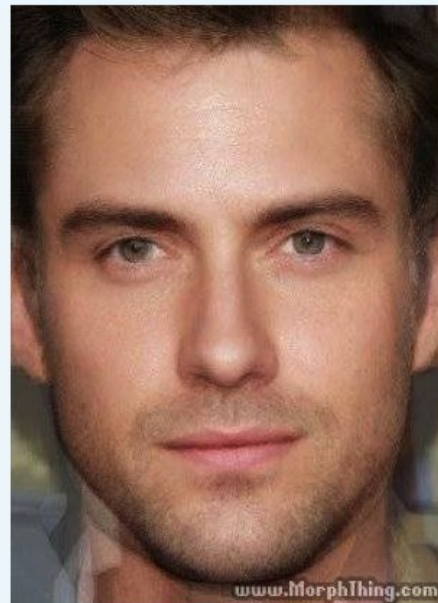
Share

63K people like this. Sign Up to see what your friends like

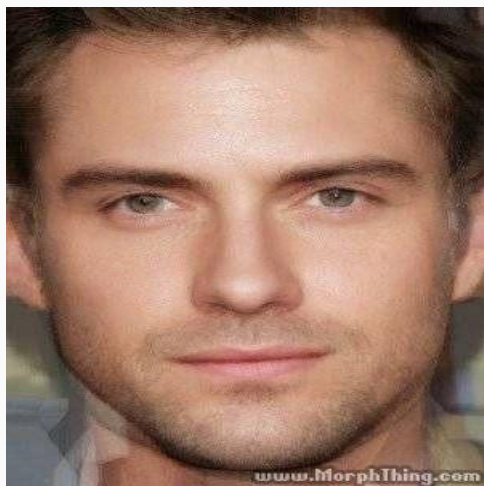
[Tweet](#)




Save



# Advanced testing (9)




Tested at:  
<https://images.google.com/>

Google  x henry cavill vs gerard butler

Q All Images Maps Shopping More Tools


About 320 results (1.16 seconds)


 Image size:  
300 × 400  
Find other sizes of this image:  
All sizes - Small - Medium

Possible related search: *henry cavill vs gerard butler*

<https://www.pinterest.com/pin/>

[resize output image] | Henry cavill, Henry cavill eyes ...  
[resize output image] Superman Cavill, Henry Superman, Gerard Butler, The Remnant.  
Choose board ... The blog also provides fans with various gifs and edits.

 Visually similar images



# Note

In advanced testing 9 again, google was able to detect that it is a morph and also gave correct name for one of the originals but other one was not detected correctly.

This time the morph was created using 4 originals and not just two. This behaviour might be because that google considers morphing of max 2 faces and not more than that.

Also it gave “vs” instead of “and” in testing 9.

Created various morphes and tested search engines

Looked for morphes that might suit the advanced testing and created the morphs for those faces.

Report work + Summarising

