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PyImageSearch Gurus Course

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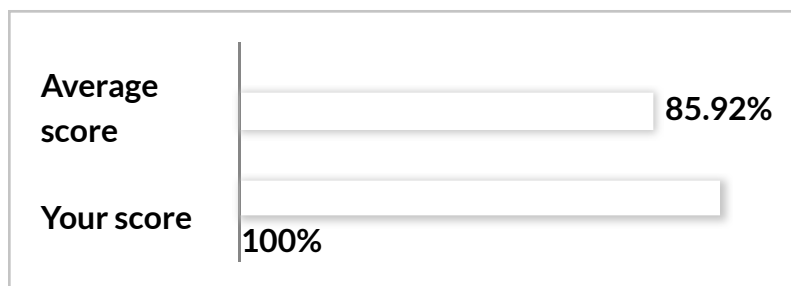
Resizing Quiz

Results

3 of 3 questions answered correctly

Your time: 00:13:54

You have reached 3 of 3 points, (100%)



Click Here to Continue (https://gurus.pyimagesearch.com/topic/resizing/?quiz_type=lesson&quiz_redirect=1&lesson_id=729&quiz_id=1630)

Restart quiz

View questions

1. Question

Why do we keep in mind the *aspect ratio* of an image when resizing?



- ☐ The aspect ratio is not important when resizing image.
- ☒ **Because ignoring the aspect ratio when resizing an image can lead to distorted and squished output images.**
- ☐ The aspect ratio controls our interpolation method.

Correct

2. Question

Download the source code to this lesson and use the `florida_trip_small.png` small image to answer the following question.

Resize the image to have a width of 100px using the `cv2.INTER_NEAREST` interpolation method. What is (approximately) the pixel value located at $x=20$, $y=74$?

- ☐ R=26, G=19, B=16
- ☐ R=29, G=24, B=21
- ☒ **R=16, G=19, B=26**
- ☐ R=21, G=24, B=29

Correct

3. Question

Now, use the same image to make the image **twice** its original size using `cv2.INTER_CUBIC` interpolation.

What is the value of the pixel located at $x=170$, $y=367$ in our resized image?

- ☐ R=25, G=20, B=20
- ☐ R=22, G=23, B=28

R=20, G=20, B=25

R=28, G=23, B=22

Correct

Course Progress

Ready to continue the course?

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- [Official OpenCV documentation \(http://docs.opencv.org/index.html\)](http://docs.opencv.org/index.html)

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Feedback

