

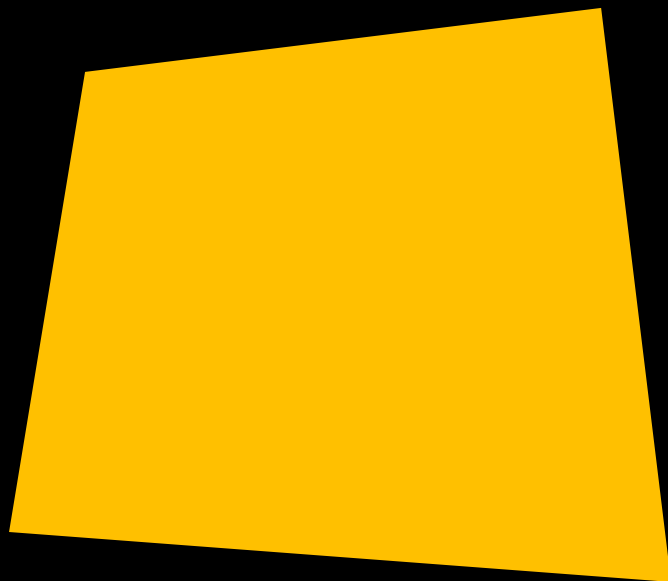
网页中的矢量图形

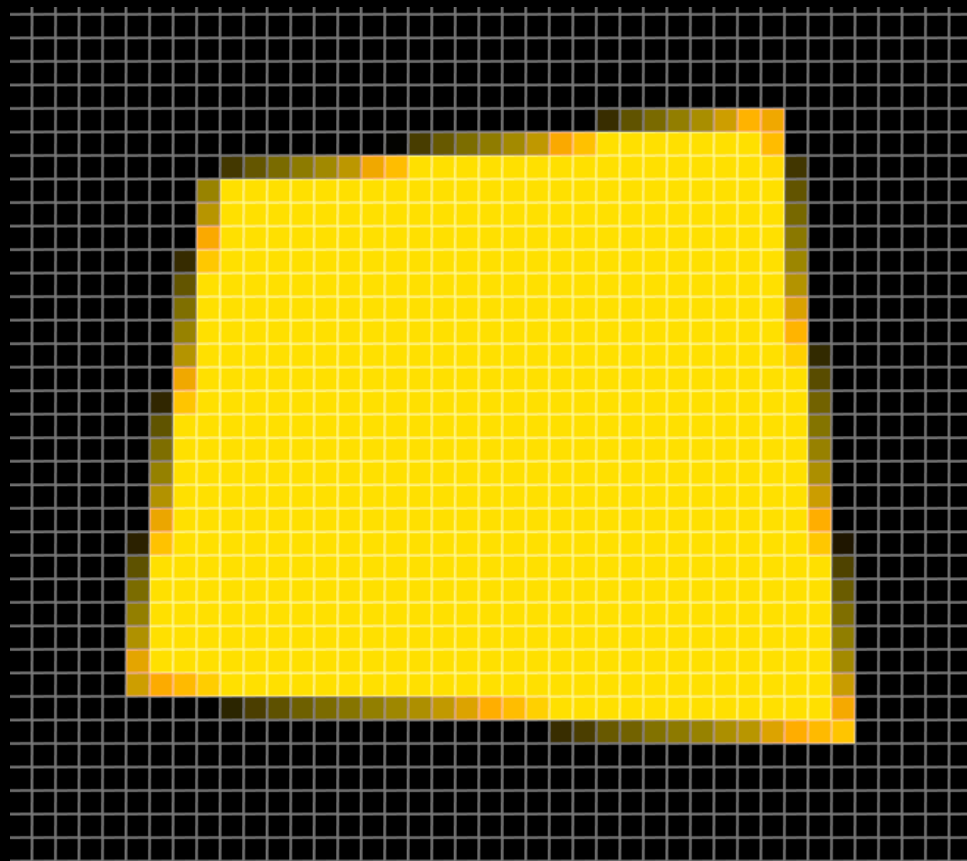
VECTOR IN WEBS

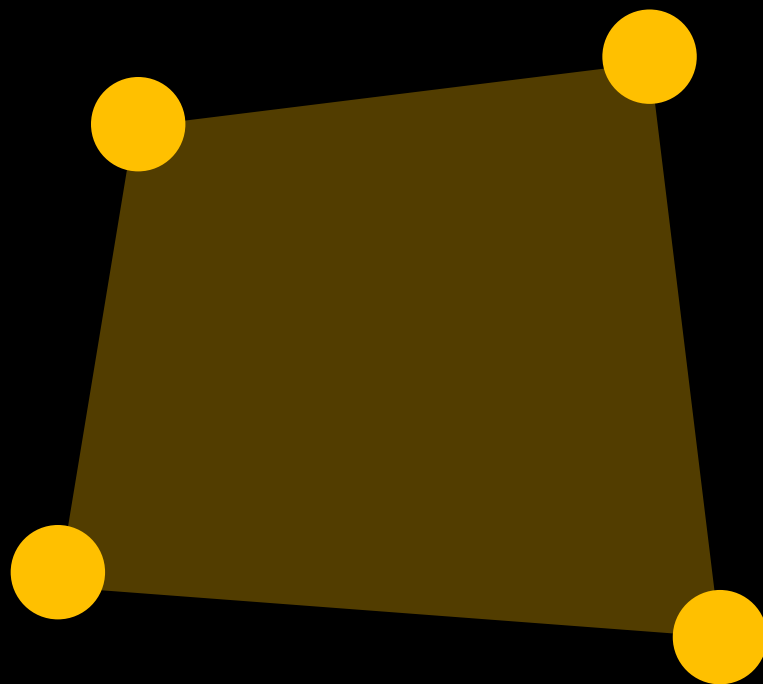


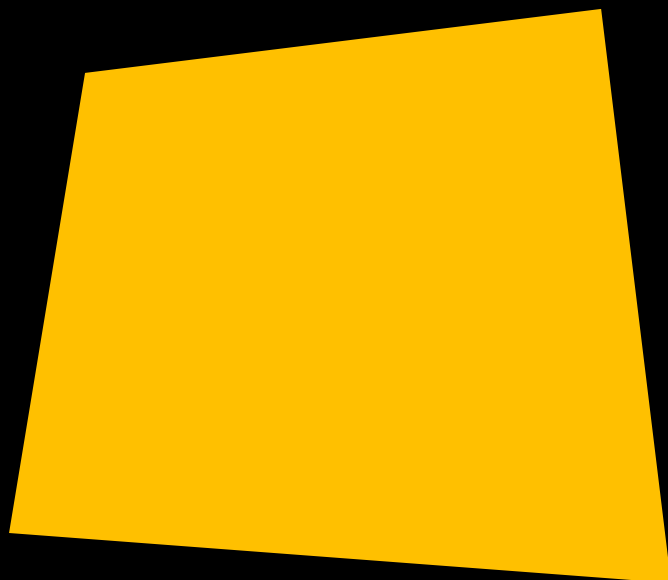
WHAT IS VECTOR?

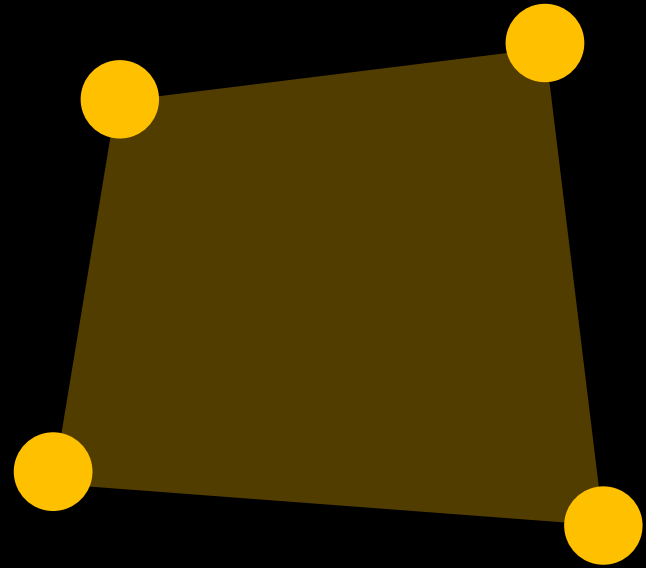
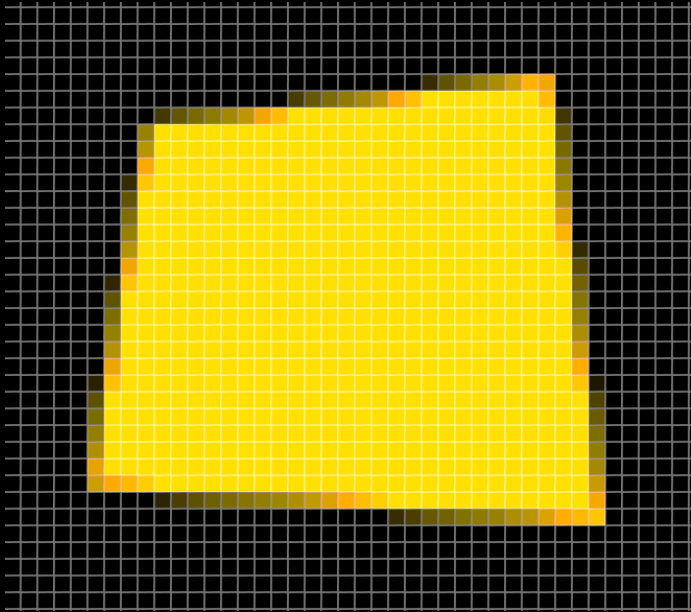










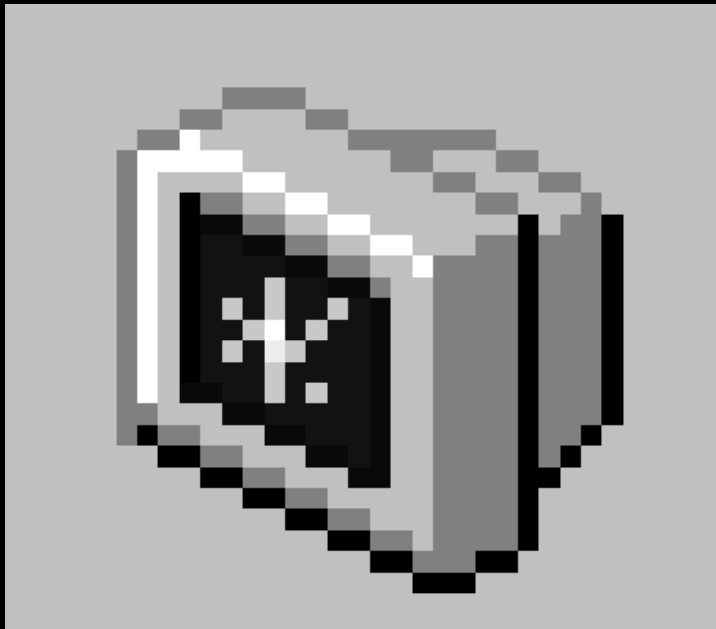


WHY VECTOR NOW?

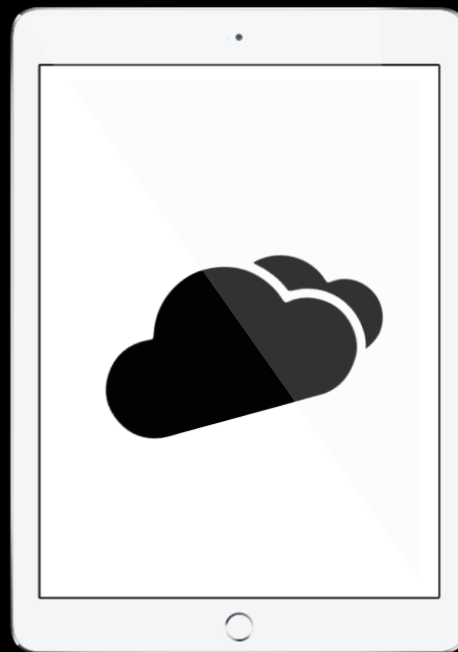
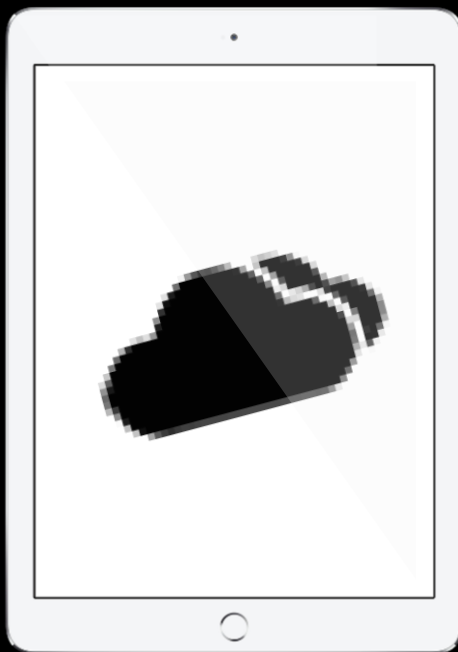


LONG LONG AGO

/* IN A GALAXY FAR FAR AWAY */



AND NOW



由于设备端屏幕分辨率的普遍增高
可伸缩图形的应用必将成为趋势



SVG



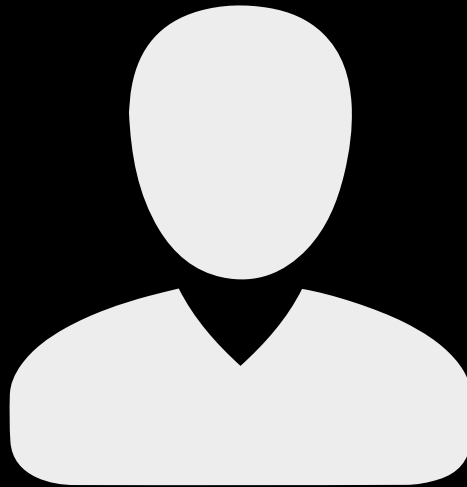
Scalable Vector Graphics



HOW TO USE?



account.svg



<!-- Easy peasy Lemon squeezy →

INTO SVG



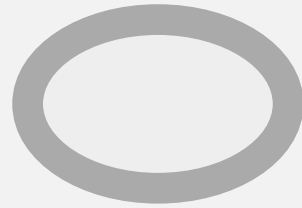
```
<svg width="100%" height="100%" version="1.1">
```

```
  <circle  
    cx="200" cy="190" r="100"  
    stroke="#AAAAAA" stroke-width="20"  
    fill="#EEEEEE" />
```

```
</svg>
```

```
<svg width="100%" height="100%" version="1.1">  
  <circle  
    cx="200" cy="190" r="100"  
    stroke="#AAAAAA" stroke-width="20"  
    fill="#EEEEEE" />  
</svg>
```







```
<?xml version="1.0" encoding="utf-8"?>
<!-- Generator: Adobe Illustrator 21.0.0, SVG Export Plug-In . SVG Version: 6.00 Build 0) -->
<svg version="1.1" id="32" xmlns="http://www.w3.org/2000/svg"
xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px"
viewBox="0 0 905 353" style="enable-background:new 0 0 905 353;" xml:space="preserve">
<style type="text/css">
.st0{fill:#3D4E68;}
.st1{fill:#8C4141;}
</style>
<g>
<g>
<path class="st0" d="M239,36.3c-3.3,1.2-6.5,2.1-9.6,3.3c-14.7,5.8-29.4,5.1-
44.1,0c-13.2-4.6-25-11.8-35.2-21.3
c-1.6-1.5-3.2-2.8-5.4-.4c-2.9,2.5-5.6,5-8.5,7.3c-14.6,12-30.8,20.1-
49.8,22.2c-8,0.9-15.9,0-23.5-2.6c-4.4-1.5-8.7-3-13.6-4.7
c-4.5,9.6-9.3,18.9-13.3,28.5c-6.7,16.1-11,32.9-13.5,50.2c-
0.2,1.2,0.1,2,1.2,2.6c3.5,2,6.9,3.9,10.2,6.2
c2.2,1.5,4.3,3.4,6.1,5.5c2.5,2.8,2.8,6.1,1.2,9.5c-2.1,4.5-5.3,8-9.2,10.7c-
3.7,2.6-7.6,4.8-11.4,7.1c-1.2,0.7-1.7,1.5-1.6,2.9

c1.2,57.3,24.2,104.4,67,142c17,14.9,35.7,27.3,56.7,36.1c1.5,0.6,2.6,0.6,4.1,0c29-
12.5,53.6-31.1,74.6-54.6
c22.5-25.3,37.3-54.5,44-87.8c2.4-11.9,3.3-23.9,3.6-36c0-0.8-0.8-2-1.5-
2.4c-4-2.7-8.2-4.9-12-7.8c-2.7-2.1-5.2-4.9-7.1-7.8
c-3.6-5.2-3.1-9.4,1.5-13.7c2.1-2,4.6-3.7,7.1-5.4c2.3-1.6,4.8-3,7.3-
4.3c1.2-0.7,1.5-1.5,1.3-2.8c-3.6-23.9-10.4-46.9-21.6-68.4
C242.5,43.1,240.8,39.8,239,36.3z M261.1,167.4c-1.3,23.4-6.5,45.1-
16.1,65.7c-12.1,26-29.6,47.7-51.5,66
c-14.1,11.8-29.3,21.9-46.2,29.4c-1.5,0.7-2.8,0.7-4.3,0c-13.9-6.1-26.7-
14.1-38.9-23.2c-24.7-18.6-44.7-41.2-58.5-69.1
c-11.2-22.5-16.9-46.4-18-71.4c-0.1-2.3,0.6-3.4,2.5-4.4c6.8-3.7,12.8-
8.4,17-15.1c5.7-9,4.6-17.6-3.4-24.7
c-3-2.6-6.3-4.8-9.7-6.8c-1.9-1.2-2.5-2.3-2.1-
4.5C35.7,88.2,42.3,68,52.4,49.1c1.8-3.4,0.9-3.2,4.6-1.8c12.5,4.7,25.3,5.8,38.4,3
c18.1-3.8,34-12.1,47.8-24.2c1.5-1.3,2.4-
1.2,3.7,0.1c8.6,7.9,18.5,13.9,29.2,18.5c12.2,5.2,24.9,8.1,38.2,6.8
c6.5-0.6,12.8-2.3,18.9-4.7c1.5-0.6,2.1-
0.2,2.8,1.1c10.3,19.5,17.2,40.2,20.9,62c0.3,1.9-0.2,2.7-1.7,3.6
```

**LET'S
MAKE ONE**



SVG <TEXT>



相对于 HTML，
SVG 所处理的文本更倾向于
以图形表现形式或
图形组成部分
呈现的文本。

SVG 不适合呈现用来正常阅读的段落文本



SVG <GRADIENT>



```
<svg width="100%" height="100%" version="1.1">
```

```
  <defs>
```

```
    <linearGradient id="grad1" x1="0%"  
y1="0%" x2="100%" y2="0%">
```

```
      <stop offset="0%" style="stop-  
color:rgb(190,170,105);  
stop-opacity:1"/>
```

```
      <stop offset="100%" style="stop-  
color:rgb(222,222,222);  
stop-opacity:1"/>
```

```
    </linearGradient>
```

```
  </defs>
```

```
  <rect width="300" height="100"  
style="fill:url(#grad1)"/>
```

```
</svg>
```



SVG <PATTERN>



```
<svg width="100%" height="100%" version="1.1">
```

```
  <defs>
```

```
    <pattern id="p1" x="0" y="0"  
      width="200" height="200">
```

```
      <g id="twit-icon-repeat">
```

```
        <path class="headerlogo" d="...."/>
```

```
        <path class="headerlogo" d="...."/>
```

```
      </g>
```

```
    </pattern>
```

```
  </defs>
```

```
  <rect width="700" height="700"  
    style="fill:url(#p1)"/>
```

```
</svg>
```



SVG <ANIMATE>




```
<svg width="100%" height="100%" version="1.1">
```

```
  <animateTransform id="scale"  
    attributeName="transform"  
    attributeType="XML"  
    type="scale"  
    from="1"  
    to="1.1"  
    additive="sum"  
    dur="0.4s"  
    fill="freeze" />
```

```
  <animateTransform  
    begin="scale.end"  
    attributeName="tr."  
    attributeType="XML"  
    type="scale"  
    from="1"  
    to="0.911"  
    .../>
```

```
.....
```

```
</svg>
```



SVG <FILTER>





feSpecularLighting, feGaussianBlur,
feComposite, feMerge



SCRATCH!

feSpecularLighting, feGaussianBlur,
feComposite, feMerge



feSpecularLighting, feGaussianBlur,
feComposite, feMerge

ANY DEFECTS?





北洋故事 | 见筑北洋

北洋校园的巍峨楼宇，它们似是有承有地，矗立在平实之中、变革之上，喧嚣之外、安宁之里。

视点观察

2017-11-07 19:43:44



再展风采：海峡两岸青年学生领导力论坛总结会

窗外，一场秋雨连绵淅沥；窗内，一曲天津大学版《南山南》余音绕梁。10月18日上午8时30分，以“青年担当，领袖未来”为主...

天大要闻

2017-10-19 00:35:05

校园公告

我要投稿

关于在北洋园校区学生宿舍举行消防演习的通知
11/08 18:34

关于在卫津路校区学生宿舍举行消防演习的通知
11/08 18:36

关于卫津路校区本科宿舍楼 停止通宵供电的通知
11/08 18:38

关于2017年天津市“普通话水平测试”报名的通知
11/09 11:22

天津大学第六届学生校长助理选拔结果公示
11/04 20:06

【北洋园校区-讲座预告】当代大学生的审美能力与文化自信
11/13 18:47



近日焦点

WEBFONT



```
@font-face
{
  font-family: SanFranciscoText;
  src:
    url('../ SanFranciscoText.ttf') format('ttf'),
    url('../ SanFranciscoText.woff') format('woff'),
    url('../ SanFranciscoText.eot') format('eot');
}

div
{
  font-family: SanFranciscoText;
}
```

```
npm install font-spider -g
```

```
> font-spider ./demo/*.html
```

字体的实质

编码到矢量图形的映射



ICON-FONT



Fallback

Hinting

纯静态

通常仅记录轮廓数据

方便封装/易调用

渲染效率高



iconfont.cn
material.io/icons



THAT'S IT!

