

Converting Colors

XYZ(13.5988, 20.4383, 3.2283)

Have a look what the booklet for
XYZ(13.5988, 20.4383, 3.2283)
contains.

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Color

**XYZ(13.6027, 20.5041,
3.2408)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8A00
RGB	93, 138, 0
RGB Percent	36%, 54%, 0%
CMY	0.6353, 0.4588, 1.0000
CMYK	0.33, 0.00, 1.00, 0.46
HSL	80°, 100%, 27%
HSV	80°, 100%, 54%
XYZ	13.6027, 20.5041, 3.2408
YIQ	108.8130, 17.4780, -52.4580

Conversions

Conversions Part 2

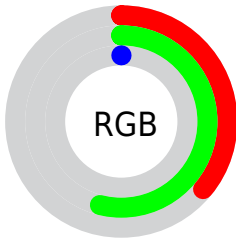
Format	Color
RYB	0, 138, 45
Decimal	6130176
CIELab	52.40, -33.30, 55.95
CIELCh	52, 65.114, 120.759
Yxy	20.5041, 0.3642, 0.5490
Android (android.graphics.Color)	4284320256 (0xFF5D8A00)
YUV	108.8130, -53.6448, -13.8680
Hunter-Lab	45.2815, -25.6205, 27.4536

Details

The XYZ color **13.6027, 20.5041, 3.2408** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.6706, 2.3936, 24.2090**, and the grayscale version is **14.6274, 15.3892, 16.7588**.

A 20% lighter version of the original color is **32.0755, 44.4004, 12.1898**, and **4.3648, 7.4306, 1.2042** is the 20% darker color. If you saturate the color by 10%, you get **13.6027, 20.5048, 3.2409**, and if you desaturate by 10%, it is **14.1502, 20.7780, 3.6736**.

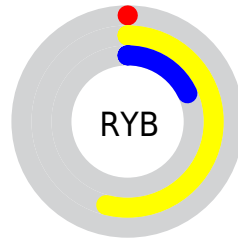
Distribution



Red (36%)

Green (54%)

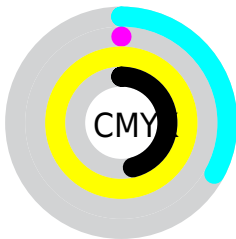
Blue (0%)



Red (0%)

Yellow (54%)

Blue (18%)

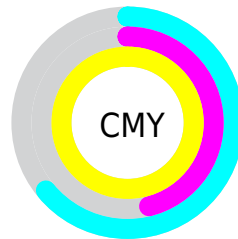


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (64%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6027, 20.5041, 3.2408 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.6027, 20.5041, 3.2408 by changing the saturation by 10% instead.

■ 13.6027, 20.5041,
3.2408

■ 13.6027, 20.5041,
3.2408

208.3055,
254.6312, 139.3708

■ 7.9247, 12.7620,
1.2189

■ 31.9746, 44.2607,
12.2171

■ 4.0982, 7.2649,
0.0000

■ 45.3992, 61.0441,
20.0085

■ 1.7578, 3.6283,
0.0000

■ 62.1367, 81.6100,
30.5601

■ 0.4921, 1.4679,
0.0000

■ 82.5525, 106.3428,
44.2905


■ 0.0000, 0.2660,
0.0000


■ 107.0119,
135.6269, 61.6183


■ 0.0000, 0.0000,
0.0000


■ 135.8803,


169.8467, 82.9619


 169.5230,
209.3867, 108.7399


 13.6027, 20.5041,
3.2408


 13.6027, 20.5041,
3.2408


 13.6027, 20.5048,
3.2409

 14.1502, 20.7780,
3.6736

 14.7735, 21.0847,
4.3656

 15.5001, 21.4358,
5.4564

 16.3395, 21.8354,
6.9947

 17.3001, 22.2867,
9.0224

■ 18.3894, 22.7929,
11.5762

■ 19.6139, 23.3565,
14.6896

■ 20.9801, 23.9802,
18.3933

■ 22.4936, 24.6663,
22.7156

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.3179, 20.5041, 2.0065



13.6027, 20.5041, 3.2408



10.2536, 20.5041, 8.6958

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.6027, 20.5041, 3.2408



13.8373, 20.5041, 72.6337



35.4603, 20.5041, 21.8389

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.6027, 20.5041, 3.2408



5.6706, 2.3936, 24.2090

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.0658, 20.5041, 45.6983



13.6027, 20.5041, 3.2408



19.6602, 20.5041, 83.4706

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.6027, 20.5041, 3.2408



10.3655, 20.5041, 47.0807



26.8661, 20.5041, 71.5628



32.8229, 20.5041, 8.2509

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.6027, 20.5041, 3.2408



9.3203, 20.5041, 16.8983



26.8661, 20.5041, 71.5628



35.2128, 20.5041, 28.8055

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.6032, 20.5050, 3.2412



34.4237, 41.1003, 25.5041



11.3717, 7.1833, 0.7875



7.5402, 9.1355, 5.2525



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6032, 20.5050, 3.2412



23.8055, 36.0537, 5.7044



9.4976, 18.3885, 3.0491



5.2752, 5.7646, 5.3870



12.4869, 18.8072, 2.9720



0.0984, 0.1329, 0.0205

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.6706, 2.3936, 24.2090



9.8436, 4.1405, 42.6635



11.3599, 5.3265, 24.4753



4.9183, 4.9663, 6.3052



5.2126, 2.2013, 22.1958



0.0488, 0.0219, 0.1481

Previews

White Background



This preview shows how the XYZ color 13.6027, 20.5041, 3.2408 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.6027, 20.5041, 3.2408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6027, 20.5041, 3.2408

Background



This preview shows how black text looks on a background with the XYZ color 13.6027, 20.5041, 3.2408.



This preview shows how white text looks on a background with the XYZ color 13.6027, 20.5041,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.6027, 20.5041, 3.2408

Protanopia

18.3181, 20.3300, 2.9586

Deuteranopia

20.5695, 20.1995, 3.7921



Tritanopia

18.4428, 20.4282, 27.3971

Trichromacy



Original Color

13.6027, 20.5041, 3.2408

Protanomaly

16.2948, 20.2503, 3.0499

Deuteranomaly

17.2663, 19.7760, 3.4374

Tritanomaly

15.4922, 20.0319, 12.2825

Monochromacy



Original Color

13.6027, 20.5041, 3.2408

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.3842, 16.7462, 8.1571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6027, 20.5041, 3.2408 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(93, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 138, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(93, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6027, 20.5041, 3.2408 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 138, 0) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(93, 138, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(93, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 138, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6027, 20.5041, 3.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 138, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(93, 138,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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