

Converting Colors

XYZ(20.1429, 31.6611, 13.6954)

Have a look what the booklet for
XYZ(20.1429, 31.6611, 13.6954)
contains.

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Color

**XYZ(20.0389, 31.4800,
13.6144)**

Conversions

Conversions Part 1

Format	Color
Hex	58AA55
RGB	88, 170, 85
RGB Percent	35%, 67%, 33%
CMY	0.6549, 0.3333, 0.6667
CMYK	0.48, 0.00, 0.50, 0.33
HSL	118°, 33%, 50%
HSV	118°, 50%, 67%
XYZ	20.0389, 31.4800, 13.6144
YIQ	135.7920, -21.5870, -43.8190

Conversions

Conversions Part 2

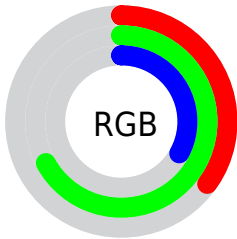
Format	Color
RYB	85, 170, 167
Decimal	5810773
CIELab	62.91, -42.54, 36.04
CIELCh	63, 55.760, 139.729
Yxy	31.4800, 0.3077, 0.4833
Android (android.graphics.Color)	4284000853 (0xFF58AA55)
YUV	135.7920, -25.0405, -41.9136
Hunter-Lab	56.1070, -34.4352, 24.8882

Details

The XYZ color **20.0389, 31.4800, 13.6144** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **26.4421, 17.6158, 40.0384**, and the grayscale version is **23.4210, 24.6408, 26.8338**.

A 20% lighter version of the original color is **42.9680, 62.0099, 32.9970**, and **7.1864, 13.1112, 3.8210** is the 20% darker color. If you saturate the color by 10%, you get **18.0615, 30.5304, 10.4102**, and if you desaturate by 10%, it is **22.5293, 32.6772, 17.6909**.

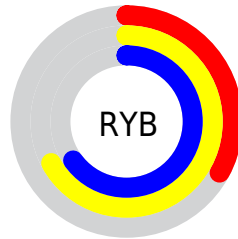
Distribution



Red (35%)

Green (67%)

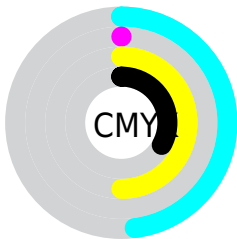
Blue (33%)



Red (33%)

Yellow (67%)

Blue (65%)

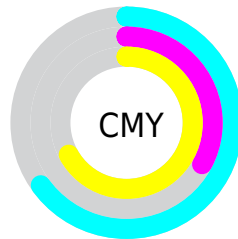


Cyan (48%)

Magenta (0%)

Yellow (50%)

Black (33%)



Cyan (65%)

Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0389, 31.4800, 13.6144 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 20.0389, 31.4800, 13.6144 by changing the saturation by 10% instead.

■ 20.0389, 31.4800,
13.6144

■ 20.0389, 31.4800,
13.6144

244.9552,
308.7436, 226.1630

■ 12.5318, 20.9646,
7.7173

■ 42.9858, 61.9950,
33.1105

■ 7.1817, 13.0981,
3.8294

■ 59.1563, 82.7634,
47.5465

■ 3.6233, 7.4962,
1.5322

■ 78.9453, 107.7183,
65.6660

■ 1.4913, 3.7743,
0.2418

■ 102.7182,
137.2441, 87.8873

■ 0.3199, 1.5481,
0.0000

■ 130.8402,
171.7251, 114.6292

■ 0.0000, 0.3222,
0.0000

163.6768,

■ 0.0000, 0.0000,

211.5457, 146.3101

0.0000

201.5934,
257.0905, 183.3485

■ 20.0389, 31.4800,
13.6144

■ 20.0389, 31.4800,
13.6144

■ 18.0615, 30.5304,
10.4102

■ 22.5293, 32.6772,
17.6909

■ 16.5594, 29.8076,
8.0128

■ 25.5627, 34.1333,
22.6948

■ 15.4932, 29.2936,
6.3511


■ 29.1693, 35.8638,
28.6788


■ 14.8162, 28.9663,
5.3405


■ 33.3764, 37.8819,
35.6913


■ 14.4504, 28.7894,
4.7953


■ 38.2098, 40.1996,
43.7776

 14.4504, 28.7894,
4.7953

 43.6936, 42.8286,
52.9799

 49.8505, 45.7797,
63.3386

 56.7025, 49.0634,
74.8917

 64.2703, 52.6896,
87.6756

Harmonies

Analogous

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



25.2231, 31.4800, 7.9426



20.0389, 31.4800, 13.6144



17.6514, 31.4800, 27.2980

Triad

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



20.0389, 31.4800, 13.6144



27.3730, 31.4800, 94.7154



46.0196, 31.4800, 21.9272

Complementary

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



20.0389, 31.4800, 13.6144



26.4421, 17.6158, 40.0384

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.



46.8615, 31.4800, 42.3530



20.0389, 31.4800, 13.6144



35.1683, 31.4800, 91.2176

Square

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



20.0389, 31.4800, 13.6144



21.3812, 31.4800, 77.5351



42.6115, 31.4800, 69.3720



40.4763, 31.4800, 11.1281

Rectangle

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



20.0389, 31.4800, 13.6144



17.6344, 31.4800, 41.9030



42.6115, 31.4800, 69.3720



46.8941, 31.4800, 27.6363

Sweetspot

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



20.0397, 31.4813, 13.6151



56.3923, 66.7330, 57.8097



31.8095, 36.3851, 13.9413



12.2337, 14.7177, 12.3221



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.0397, 31.4813, 13.6151



32.4321, 55.2297, 18.3451



21.7129, 32.1185, 23.8770



7.4603, 8.4199, 8.0213



10.6395, 21.1821, 3.5278



0.2663, 0.5192, 0.0862

Inverse Universe

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



26.4421, 17.6158, 40.0384



45.3768, 27.1429, 71.8494



23.9749, 16.7029, 23.7016



7.8154, 7.6529, 9.4836



16.6103, 7.9463, 28.6338



0.4119, 0.1973, 0.6970

Previews

White Background



This preview shows how the XYZ color 20.0389, 31.4800, 13.6144 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.0389, 31.4800, 13.6144 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 ✓ Pass

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

XYZ 20.0389, 31.4800, 13.6144

Background



This preview shows how black text looks on a background with the XYZ color 20.0389, 31.4800, 13.6144.



This preview shows how white text looks on a background with the XYZ color 20.0389, 31.4800,

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

20.0389, 31.4800, 13.6144

Protanopia

28.4142, 30.9132, 11.8664

Deuteranopia

31.3900, 30.7691, 14.1821



Tritanopia

26.0575, 31.2229, 44.1884

Trichromacy



Original Color

20.0389, 31.4800, 13.6144

Protanomaly

24.1933, 30.4511, 12.3871

Deuteranomaly

25.4071, 29.7996, 13.8640

Tritanomaly

23.2288, 31.1267, 29.9831

Monochromacy



Original Color

20.0389, 31.4800, 13.6144

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.4085, 26.3861, 20.7943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0389, 31.4800, 13.6144 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(88, 170, 85)` looks like.

```
.text, #text, p{  
    color:rgb(88, 170, 85)  
}
```

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(88, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 170, 85) }
```

Border

The CSS property to change the border of an element to XYZ 20.0389, 31.4800, 13.6144 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(88, 170, 85) }
```


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

```
.border{ border-color:rgb(88, 170, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 170, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(88, 170,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0389, 31.4800, 13.6144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 170, 85) }
```

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

```
.background{ background-color: rgb(88, 170,  
85) }
```

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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