

Converting Colors

XYZ(12.6012, 19.3485, 1.7201)

Have a look what the booklet for
XYZ(12.6012, 19.3485, 1.7201)
contains.

XYZ(12.8804, 19.5016, 3.0853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8804, 19.5016,
3.0853)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8700
RGB	90, 135, 0
RGB Percent	35%, 53%, 0%
CMY	0.6471, 0.4706, 1.0000
CMYK	0.33, 0.00, 1.00, 0.47
HSL	80°, 100%, 26%
HSV	80°, 100%, 53%
XYZ	12.8804, 19.5016, 3.0853
YIQ	106.1550, 16.5150, -51.5250

Conversions

Conversions Part 2

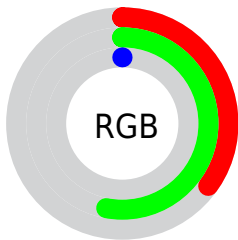
Format	Color
RYB	0, 135, 45
Decimal	5932800
CIELab	51.27, -33.13, 55.01
CIELCh	51, 64.213, 121.060
Yxy	19.5016, 0.3632, 0.5498
Android (android.graphics.Color)	4284122880 (0xFF5A8700)
YUV	106.1550, -52.3344, -14.1679
Hunter-Lab	44.1606, -25.2177, 26.7701

Details

The XYZ color **12.8804, 19.5016, 3.0853** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.4562, 2.3077, 23.0807**, and the grayscale version is **13.8789, 14.6017, 15.9012**.

A 20% lighter version of the original color is **30.8878, 42.8202, 11.9474**, and **4.0114, 6.8903, 1.1185** is the 20% darker color. If you saturate the color by 10%, you get **12.8805, 19.5023, 3.0854**, and if you desaturate by 10%, it is **13.4079, 19.7654, 3.5067**.

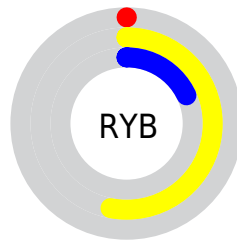
Distribution



Red (35%)

Green (53%)

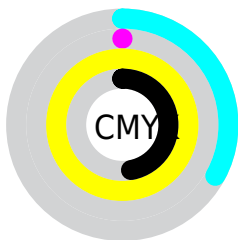
Blue (0%)



Red (0%)

Yellow (53%)

Blue (18%)

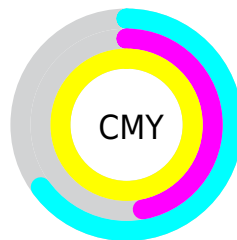


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (65%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8804, 19.5016, 3.0853 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 12.8804, 19.5016, 3.0853 by changing the saturation by 10% instead.

■ 12.8804, 19.5016,
3.0853

■ 12.8804, 19.5016,
3.0853

203.8029,
249.2041, 137.4397

■ 7.4227, 12.0333,
1.1384

■ 30.6919, 42.5800,
11.8382

■ 3.7765, 6.7663,
0.0000

■ 43.7764, 58.9588,
19.4812

■ 1.5765, 3.3164,
0.0000

■ 60.1338, 79.0767,
29.8601

■ 0.3770, 1.2991,
0.0000

■ 80.1296, 103.3178,
43.3932


■ 0.0000, 0.1405,
0.0000


■ 104.1290,
132.0668, 60.4992


■ 0.0000, 0.0000,
0.0000


■ 132.4975,


165.7079, 81.5966


 165.6003,
204.6255, 107.1039


 12.8804, 19.5016,
3.0853


 12.8804, 19.5016,
3.0853


 12.8805, 19.5023,
3.0854

 13.4079, 19.7654,
3.5067

 14.0080, 20.0607,
4.1713

 14.7074, 20.3988,
5.2155

 15.5151, 20.7835,
6.6852

 16.4392, 21.2180,
8.6199

■ 17.4866, 21.7052,
11.0546

■ 18.6638, 22.2476,
14.0209

■ 19.9767, 22.8477,
17.5477

■ 21.4307, 23.5078,
21.6621

Harmonies

Analogous

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



18.3089, 19.5016, 1.8894



12.8804, 19.5016, 3.0853



9.7124, 19.5016, 8.3314

Triad

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



12.8804, 19.5016, 3.0853



13.1923, 19.5016, 69.4681



33.7760, 19.5016, 20.5884

Complementary

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



12.8804, 19.5016, 3.0853



5.4562, 2.3077, 23.0807

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.



31.5363, 19.5016, 43.2812



12.8804, 19.5016, 3.0853



18.7643, 19.5016, 79.6187

Square

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



12.8804, 19.5016, 3.0853



9.8612, 19.5016, 45.1227



25.6429, 19.5016, 68.0407



31.2129, 19.5016, 7.7405

Rectangle

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



12.8804, 19.5016, 3.0853



8.8378, 19.5016, 16.2110



25.6429, 19.5016, 68.0407



33.5564, 19.5016, 27.2001

Sweetspot

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



12.8808, 19.5025, 3.0857



33.2711, 39.7702, 24.7159



10.9309, 7.0285, 0.7808



7.5209, 9.1256, 5.2516



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.



12.8808, 19.5025, 3.0857



22.8910, 34.8333, 5.5170



9.0066, 17.5052, 2.9044



4.8929, 5.3473, 5.0036



11.8913, 17.9901, 2.8457



0.0490, 0.0663, 0.0102

Inverse Universe

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



5.4562, 2.3077, 23.0807



9.6149, 4.0520, 41.3237



11.1199, 5.2275, 23.3457



4.5700, 4.6144, 5.8506



5.0439, 2.1344, 21.2828



0.0246, 0.0111, 0.0741

Previews

White Background



This preview shows how the XYZ color 12.8804, 19.5016, 3.0853 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 12.8804, 19.5016, 3.0853 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 12.8804, 19.5016, 3.0853

Background



This preview shows how black text looks on a background with the XYZ color 12.8804, 19.5016, 3.0853.



This preview shows how white text looks on a background with the XYZ color 12.8804, 19.5016,

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

12.8804, 19.5016, 3.0853

Protanopia

17.2761, 19.2374, 2.8027

Deuteranopia

19.5687, 19.3377, 3.6784



Tritanopia

17.4157, 19.3596, 25.7405

Trichromacy



Original Color

12.8804, 19.5016, 3.0853

Protanomaly

15.3351, 19.1718, 2.8923

Deuteranomaly

16.3901, 18.9522, 3.3246

Tritanomaly

14.6756, 19.0250, 11.7028

Monochromacy



Original Color

12.8804, 19.5016, 3.0853

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.6299, 15.8372, 7.7014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8804, 19.5016, 3.0853 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(90, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 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(90, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.8804, 19.5016, 3.0853 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(90, 135, 0) }
```


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

```
.border{ border-color:rgb(90, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 135, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8804, 19.5016, 3.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 0) }
```

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

```
.background{ background-color: rgb(90, 135,  
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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