

Converting Colors

XYZ(21.9679, 16.1904, 1.9672)

Have a look what the booklet for
XYZ(21.9679, 16.1904, 1.9672)
contains.

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Color

**XYZ(21.8389, 16.0807,
1.9528)**

Conversions

Conversions Part 1

Format	Color
Hex	B35500
RGB	179, 85, 0
RGB Percent	70%, 33%, 0%
CMY	0.2980, 0.6666, 1.0000
CMYK	0.00, 0.53, 1.00, 0.30
HSL	28°, 100%, 35%
HSV	28°, 100%, 70%
XYZ	21.8389, 16.0807, 1.9528
YIQ	103.4160, 83.3090, -6.5070

Conversions

Conversions Part 2

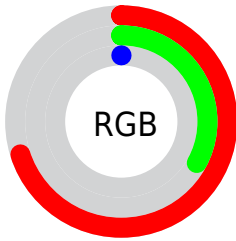
Format	Color
RYB	179, 162, 0
Decimal	11752704
CIELab	47.08, 34.35, 56.41
CIELCh	47, 66.042, 58.663
Yxy	16.0807, 0.5477, 0.4033
Android (android.graphics.Color)	4289942784 (0xFFB35500)
YUV	103.4160, -50.9841, 66.2872
Hunter-Lab	40.1007, 27.0349, 25.1833

Details

The XYZ color **21.8389, 16.0807, 1.9528** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.1390, 11.2593, 44.1810**, and the grayscale version is **13.1188, 13.8020, 15.0304**.

A 20% lighter version of the original color is **45.8954, 36.6353, 8.9273**, and **8.2386, 5.1837, 0.5663** is the 20% darker color. If you saturate the color by 10%, you get **21.8391, 16.0814, 1.9530**, and if you desaturate by 10%, it is **22.7375, 17.7047, 2.7870**.

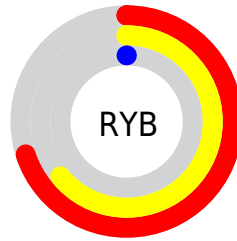
Distribution



Red (70%)

Green (33%)

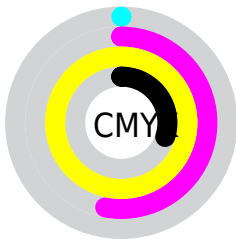
Blue (0%)



Red (70%)

Yellow (64%)

Blue (0%)

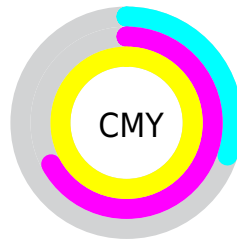


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8389, 16.0807, 1.9528 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 21.8389, 16.0807, 1.9528 by changing the saturation by 10% instead.


 21.8389, 16.0807,
1.9528


 21.8389, 16.0807,
1.9528

 254.3520,
229.8174, 121.6395


 13.8545, 9.5813,
0.5260


 45.9604, 36.7382,
8.9114


 8.1006, 5.1222,
0.0000


 62.8283, 51.6652,
15.3433


 4.2117, 2.3192,
0.0000

 83.3880, 70.1700,
24.3016

 1.8226, 0.7838,
0.0000

 108.0049, 92.6372,
36.2050

 0.5312, 0.0000,
0.0000


 137.0445,
119.4512, 51.4720


 0.0000, 0.0000,
0.0000


 170.8719,


150.9963, 70.5210


 209.8526,
187.6569, 93.7707


 21.8389, 16.0807,
1.9528


 21.8389, 16.0807,
1.9528


 21.8391, 16.0814,
1.9530

 22.7375, 17.7047,
2.7870

 23.8364, 19.5712,
4.1746

 25.1771, 21.7031,
6.3156

 26.7809, 24.1142,
9.3061

 28.6663, 26.8168,
13.2274

■ 30.8497, 29.8224,
18.1514

■ 33.3461, 33.1417,
24.1428

■ 36.1693, 36.7845,
31.2607

■ 39.3323, 40.7606,
39.5599

Harmonies

Analogous

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



27.2874, 16.0807, 6.2334



21.8389, 16.0807, 1.9528



15.5456, 16.0807, 1.0623

Triad

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



21.8389, 16.0807, 1.9528



6.6349, 16.0807, 16.7753



21.2728, 16.0807, 63.0575

Complementary

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



21.8389, 16.0807, 1.9528



12.1390, 11.2593, 44.1810

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.



15.0258, 16.0807, 72.6714



21.8389, 16.0807, 1.9528



7.4466, 16.0807, 37.6968

Square

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



21.8389, 16.0807, 1.9528



7.6087, 16.0807, 5.6080



10.1929, 16.0807, 61.3246



26.9067, 16.0807, 39.8877

Rectangle

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



21.8389, 16.0807, 1.9528



11.9902, 16.0807, 1.3413



10.1929, 16.0807, 61.3246



19.1323, 16.0807, 68.4470

Sweetspot

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



21.8392, 16.0816, 1.9531



59.4813, 59.0404, 42.6464



20.6772, 10.4184, 11.8594



12.7525, 12.5188, 8.4138



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.8392, 16.0816, 1.9531



38.8923, 28.3588, 3.4239



33.5401, 39.4834, 5.8534



8.8181, 9.1487, 8.9536



15.4970, 11.4926, 1.4015



0.5461, 0.4787, 0.0636

Inverse Universe

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



12.1390, 11.2593, 44.1810



21.5140, 19.7118, 79.0520



8.2014, 3.3842, 42.8684



8.3989, 8.9440, 10.7900



8.6435, 8.0874, 31.2425



0.3299, 0.3703, 1.0023

Previews

White Background



This preview shows how the XYZ color 21.8389, 16.0807, 1.9528 looks on a white 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

Black Background



This preview shows how the XYZ color 21.8389, 16.0807, 1.9528 looks on a black 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

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

XYZ 21.8389, 16.0807, 1.9528

Background



This preview shows how black text looks on a background with the XYZ color 21.8389, 16.0807, 1.9528.



This preview shows how white text looks on a background with the XYZ color 21.8389, 16.0807,

1.9528.

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

21.8389, 16.0807, 1.9528

Protanopia

14.7511, 16.3597, 2.8705

Deuteranopia

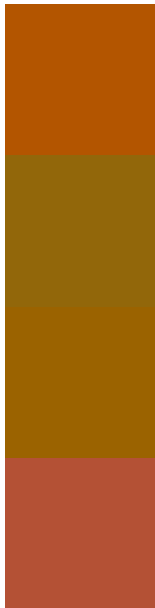
16.4130, 16.2662, 2.2746



Tritanopia

23.4523, 16.0558, 10.2505

Trichromacy



Original Color

21.8389, 16.0807, 1.9528

Protanomaly

16.7591, 15.8334, 2.4600

Deuteranomaly

17.9794, 15.8922, 2.1199

Tritanomaly

22.4074, 15.8452, 5.2456

Monochromacy



Original Color

21.8389, 16.0807, 1.9528

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.5263, 13.5844, 7.0107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8389, 16.0807, 1.9528 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(179, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 85, 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(179, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8389, 16.0807, 1.9528 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(179, 85, 0) }
```


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

```
.border{ border-color:rgb(179, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8389, 16.0807, 1.9528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 85, 0) }
```

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

```
.background{ background-color: rgb(179, 85,  
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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