

Converting Colors

XYZ(28.3961, 21.1531, 6.4999)

Have a look what the booklet for
XYZ(28.3961, 21.1531, 6.4999)
contains.

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Color

**XYZ(28.4891, 21.2249,
6.4662)**

Conversions

Conversions Part 1

Format	Color
Hex	C66339
RGB	198, 99, 57
RGB Percent	78%, 39%, 22%
CMY	0.2235, 0.6117, 0.7765
CMYK	0.00, 0.50, 0.71, 0.22
HSL	18°, 55%, 50%
HSV	18°, 71%, 78%
XYZ	28.4891, 21.2249, 6.4662
YIQ	123.8130, 72.4860, 7.9260

Conversions

Conversions Part 2

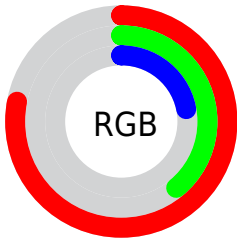
Format	Color
RYB	198, 117, 57
Decimal	13001529
CIELab	53.19, 36.37, 41.27
CIELCh	53, 55.007, 48.616
Yxy	21.2249, 0.5071, 0.3778
Android (android.graphics.Color)	4291191609 (0xFFC66339)
YUV	123.8130, -32.9388, 65.0620
Hunter-Lab	46.0705, 29.7576, 23.9277

Details

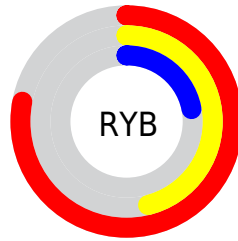
The XYZ color **28.4891, 21.2249, 6.4662** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.7680, 28.7222, 57.7170**, and the grayscale version is **19.1859, 20.1850, 21.9815**.

A 20% lighter version of the original color is **55.0698, 44.7571, 19.3722**, and **11.6289, 7.6196, 1.1163** is the 20% darker color. If you saturate the color by 10%, you get **26.8825, 18.6541, 3.9507**, and if you desaturate by 10%, it is **30.5160, 24.3284, 10.0720**.

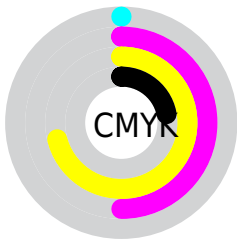
Distribution



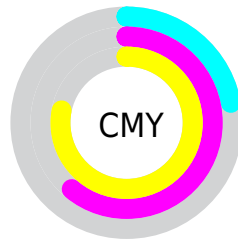
- Red (78%)
- Green (39%)
- Blue (22%)



- Red (78%)
- Yellow (46%)
- Blue (22%)



- Cyan (0%)
- Magenta (50%)
- Yellow (71%)
- Black (22%)





- Cyan (22%)
- Magenta (61%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4891, 21.2249, 6.4662 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 28.4891, 21.2249, 6.4662 by changing the saturation by 10% instead.


 28.4891, 21.2249,
6.4662


 28.4891, 21.2249,
6.4662


286.8346,
258.4713, 172.6105


 18.8370, 13.2885,
3.0572


 56.6676, 45.4615,
19.3852


 11.6559, 7.6275,
1.1239


 75.9247, 62.5305,
29.7324


 6.5803, 3.8575,
0.0000


 99.1141, 83.4126,
43.2294

 3.2450, 1.5942,
0.0000

 126.6013,
108.4920, 60.2948

 1.2846, 0.3537,
0.0000

 158.7516,
138.1531, 81.3470

 0.1717, 0.0000,
0.0000

 195.9304,

 0.0000, 0.0000,

172.7805, 106.8047

0.0000

238.5029,
212.7584, 137.0863

■ 28.4891, 21.2249,
6.4662

■ 28.4891, 21.2249,
6.4662

■ 26.8825, 18.6541,
3.9507

■ 30.5160, 24.3284,
10.0720

■ 25.6591, 16.5799,
2.3948

■ 32.9924, 27.9908,
14.8760

■ 24.8518, 15.1322,
1.6110

■ 35.9466, 32.2405,
20.9741

■ 39.4037, 37.1027,
28.4524

■ 43.3870, 42.6011,
37.3892

■ 47.9183, 48.7583,
47.8570

■ 53.0182, 55.5955,
59.9235

■ 58.7061, 63.1330,
73.6523

■ 65.0005, 71.3904,
89.1035

Harmonies

Analogous

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



32.7081, 21.2249, 14.3340



28.4891, 21.2249, 6.4662



22.4580, 21.2249, 3.8030

Triad

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



28.4891, 21.2249, 6.4662



11.0905, 21.2249, 17.3574



23.9507, 21.2249, 68.5700

Complementary

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



28.4891, 21.2249, 6.4662



23.7680, 28.7222, 57.7170

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.



18.0497, 21.2249, 70.7476



28.4891, 21.2249, 6.4662



11.3368, 21.2249, 34.8906

Square

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



28.4891, 21.2249, 6.4662



12.9043, 21.2249, 7.7642



13.6576, 21.2249, 56.3492



29.7607, 21.2249, 51.3401

Rectangle

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



28.4891, 21.2249, 6.4662



18.5472, 21.2249, 3.7231



13.6576, 21.2249, 56.3492



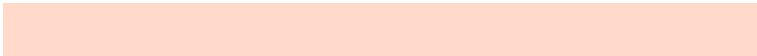
21.8924, 21.2249, 71.3144

Sweetspot

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



28.4896, 21.2260, 6.4666



76.7526, 75.3321, 66.0315



30.9276, 17.4025, 34.0993



15.9851, 15.5160, 13.1284



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.4896, 21.2260, 6.4666



46.4265, 31.0668, 5.4045



37.9284, 40.1037, 9.6128



10.8871, 11.1434, 11.1398



16.2277, 9.9726, 1.0696



0.8327, 0.6008, 0.0721

Inverse Universe

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



23.7680, 28.7222, 57.7170



37.3648, 44.6492, 101.2566



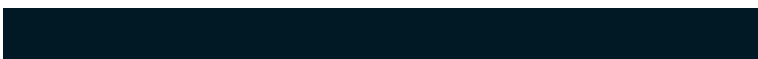
15.3334, 11.8531, 54.9055



10.6696, 11.5133, 13.5774



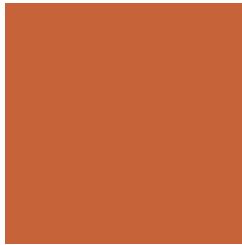
12.7118, 14.8176, 36.9345



0.6629, 0.8236, 1.7692

Previews

White Background



This preview shows how the XYZ color 28.4891, 21.2249, 6.4662 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 28.4891, 21.2249, 6.4662 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 28.4891, 21.2249, 6.4662

Background



This preview shows how black text looks on a background with the XYZ color 28.4891, 21.2249, 6.4662.



This preview shows how white text looks on a background with the XYZ color 28.4891, 21.2249,

6.4662.

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

28.4891, 21.2249, 6.4662

Protanopia

19.6870, 21.4944, 8.2655

Deuteranopia

21.7553, 21.2936, 6.2123



Tritanopia

30.1224, 21.2049, 14.5619

Trichromacy



Original Color

28.4891, 21.2249, 6.4662

Protanomaly

22.1588, 20.7628, 7.5424

Deuteranomaly

23.8046, 20.9608, 6.2812

Tritanomaly

29.3363, 21.1479, 10.9233

Monochromacy



Original Color

28.4891, 21.2249, 6.4662

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.1935, 19.7609, 14.7538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4891, 21.2249, 6.4662 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(198, 99, 57)` looks like.

```
.text, #text, p{  
  color:rgb(198, 99, 57)  
}
```

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(198, 99, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 99, 57) }
```

Border

The CSS property to change the border of an element to XYZ 28.4891, 21.2249, 6.4662 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(198, 99, 57) }
```


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

```
.border{ border-color:rgb(198, 99, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 99, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 99, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 99, 57);  
box-shadow:4px 4px 4px 4px rgb(198, 99,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4891, 21.2249, 6.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 99, 57) }
```

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

```
.background{ background-color: rgb(198, 99,  
57) }
```

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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