

Converting Colors

XYZ(28.6252, 21.9417, 6.6992)

Have a look what the booklet for
XYZ(28.6252, 21.9417, 6.6992)
contains.

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Color

**XYZ(28.6399, 21.8763,
6.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	C5673A
RGB	197, 103, 58
RGB Percent	77%, 40%, 23%
CMY	0.2275, 0.5961, 0.7725
CMYK	0.00, 0.48, 0.71, 0.23
HSL	19°, 55%, 50%
HSV	19°, 71%, 77%
XYZ	28.6399, 21.8763, 6.7160
YIQ	125.9760, 70.4690, 5.9330

Conversions

Conversions Part 2

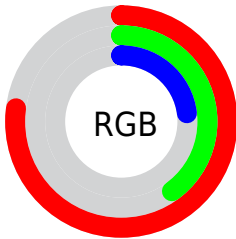
Format	Color
RYB	197, 125, 58
Decimal	12937018
CIELab	53.90, 33.93, 41.49
CIElCh	54, 53.598, 50.719
Yxy	21.8763, 0.5004, 0.3822
Android (android.graphics.Color)	4291127098 (0xFFC5673A)
YUV	125.9760, -33.5122, 62.2880
Hunter-Lab	46.7721, 27.4495, 24.2270

Details

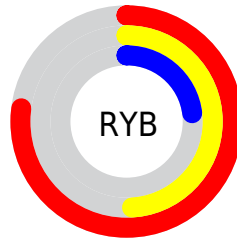
The XYZ color **28.6399, 21.8763, 6.7160** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.0502, 27.3853, 56.8939**, and the grayscale version is **19.9172, 20.9545, 22.8194**.

A 20% lighter version of the original color is **55.6152, 45.7642, 19.8121**, and **11.6444, 7.8865, 1.1957** is the 20% darker color. If you saturate the color by 10%, you get **27.0101, 19.2714, 4.1555**, and if you desaturate by 10%, it is **30.6735, 24.9825, 10.3571**.

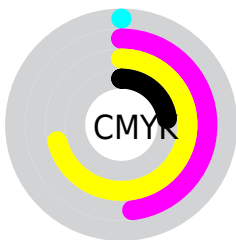
Distribution



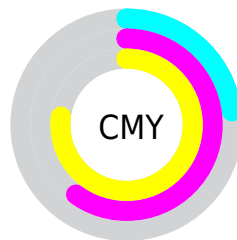
- Red (77%)
- Green (40%)
- Blue (23%)



- Red (77%)
- Yellow (49%)
- Blue (23%)



- Cyan (0%)
- Magenta (48%)
- Yellow (71%)
- Black (23%)





- Cyan (23%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6399, 21.8763, 6.7160 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 28.6399, 21.8763, 6.7160 by changing the saturation by 10% instead.

 28.6399, 21.8763,
6.7160


 28.6399, 21.8763,
6.7160


287.5370,
261.8996, 174.8230


 18.9515, 13.7660,
3.2094


 56.9060, 46.5415,
19.9026

 11.7390, 7.9581,
1.2025


 76.2144, 63.8652,
30.4197


 6.6372, 4.0682,
0.0000


 99.4602, 85.0288,
44.1107

 3.2805, 1.7118,
0.0000

 127.0087,
110.4167, 61.3941

 1.3038, 0.4313,
0.0000

 159.2252,
140.4134, 82.6885

 0.1861, 0.0000,
0.0000

 196.4753,

 0.0000, 0.0000,

175.4031, 108.4124

0.0000

239.1241,
215.7704, 138.9844

■ 28.6399, 21.8763,
6.7160

■ 28.6399, 21.8763,
6.7160

■ 27.0101, 19.2714,
4.1555

■ 30.6735, 24.9825,
10.3571

■ 25.7495, 17.1350,
2.5486

■ 33.1382, 28.6129,
15.1838

■ 24.8471, 15.5128,
1.6847

■ 36.0606, 32.7930,
21.2898

■ 39.4644, 37.5457,
28.7591

■ 43.3714, 42.8923,
37.6684

■ 47.8022, 48.8529,
48.0886

■ 52.7761, 55.4468,
60.0860

■ 58.3113, 62.6924,
73.7228

■ 64.4254, 70.6073,
89.0580

Harmonies

Analogous

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



32.9955, 21.8763, 14.2519



28.6399, 21.8763, 6.7160



22.6343, 21.8763, 4.2069

Triad

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



28.6399, 21.8763, 6.7160



11.6510, 21.8763, 19.0528



24.9712, 21.8763, 67.6273

Complementary

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



28.6399, 21.8763, 6.7160



23.0502, 27.3853, 56.8939

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.



19.0539, 21.8763, 70.9680



28.6399, 21.8763, 6.7160



12.0444, 21.8763, 36.9257

Square

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



28.6399, 21.8763, 6.7160



13.3314, 21.8763, 8.8318



14.5284, 21.8763, 57.8619



30.6199, 21.8763, 50.1396

Rectangle

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



28.6399, 21.8763, 6.7160



18.7963, 21.8763, 4.2506



14.5284, 21.8763, 57.8619



22.9259, 21.8763, 70.6816

Sweetspot

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



28.6404, 21.8775, 6.7164



77.1120, 76.0510, 66.1514



30.2873, 17.1958, 31.8525



16.0696, 15.6850, 13.1566



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.



28.6404, 21.8775, 6.7164



47.0019, 32.2176, 5.5963



38.4502, 41.4970, 9.9863



10.9096, 11.1884, 11.1473



16.4111, 10.3394, 1.1307



0.8433, 0.6221, 0.0756

Inverse Universe

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



23.0502, 27.3853, 56.8939



36.1699, 42.2595, 100.8583



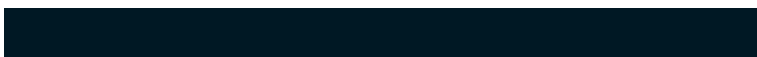
14.9534, 11.1916, 54.1950



10.6461, 11.4662, 13.5696



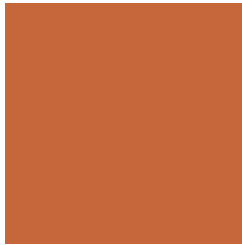
12.2435, 13.8809, 36.7783



0.6434, 0.7846, 1.7627

Previews

White Background



This preview shows how the XYZ color 28.6399, 21.8763, 6.7160 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 28.6399, 21.8763, 6.7160 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 28.6399, 21.8763, 6.7160

Background



This preview shows how black text looks on a background with the XYZ color 28.6399, 21.8763, 6.7160.



This preview shows how white text looks on a background with the XYZ color 28.6399, 21.8763,

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

28.6399, 21.8763, 6.7160

Protanopia

20.1613, 21.9335, 8.3252

Deuteranopia

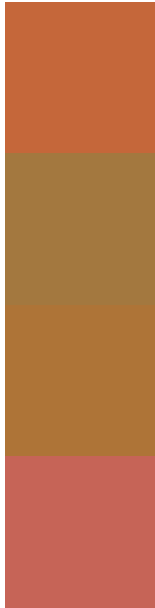
22.4235, 22.0000, 6.4327



Tritanopia

30.4196, 21.8770, 15.7161

Trichromacy



Original Color

28.6399, 21.8763, 6.7160

Protanomaly

22.7179, 21.5784, 7.6703

Deuteranomaly

24.3905, 21.7653, 6.5300

Tritanomaly

29.5662, 21.8082, 11.6679

Monochromacy



Original Color

28.6399, 21.8763, 6.7160

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.7763, 20.5719, 15.1349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6399, 21.8763, 6.7160 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(197, 103, 58)` looks like.

```
.text, #text, p{  
    color:rgb(197, 103, 58)  
}
```

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(197, 103, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 103, 58) }
```

Border

The CSS property to change the border of an element to XYZ 28.6399, 21.8763, 6.7160 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(197, 103, 58) }
```


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

```
.border{ border-color:rgb(197, 103, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 103, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 103, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 103, 58);  
box-shadow:4px 4px 4px 4px rgb(197, 103,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6399, 21.8763, 6.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 103, 58) }
```

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

```
.background{ background-color: rgb(197,  
103, 58) }
```

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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