

Converting Colors

XYZ(28.7321, 21.9202, 2.7167)

Have a look what the booklet for
XYZ(28.7321, 21.9202, 2.7167)
contains.

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Color

**XYZ(28.5708, 21.7821,
2.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	C86600
RGB	200, 102, 0
RGB Percent	78%, 40%, 0%
CMY	0.2157, 0.6000, 1.0000
CMYK	0.00, 0.49, 1.00, 0.22
HSL	31°, 100%, 39%
HSV	31°, 100%, 78%
XYZ	28.5708, 21.7821, 2.6985
YIQ	119.6740, 91.1500, -10.9460

Conversions

Conversions Part 2

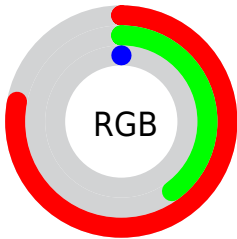
Format	Color
R_{YB}	192, 200, 0
Decimal	13133312
CIE _{Lab}	53.80, 34.10, 62.03
CIE _{LCh}	54, 70.780, 61.201
Yxy	21.7821, 0.5385, 0.4106
Android (android.graphics.Color)	4291323392 (0xFFC86600)
YUV	119.6740, -58.9993, 70.4459
Hunter-Lab	46.6713, 27.5977, 29.2418

Details

The XYZ color **28.5708, 21.7821, 2.6985** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.7928, 12.9052, 56.3545**, and the grayscale version is **17.9113, 18.8441, 20.5212**.

A 20% lighter version of the original color is **53.7210, 44.7414, 10.6550**, and **11.9206, 8.0352, 0.9227** is the 20% darker color. If you saturate the color by 10%, you get **28.5710, 21.7828, 2.6986**, and if you desaturate by 10%, it is **29.7183, 23.8754, 3.7041**.

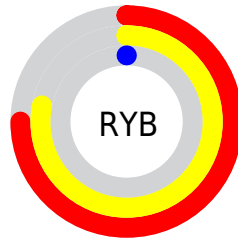
Distribution



Red (78%)

Green (40%)

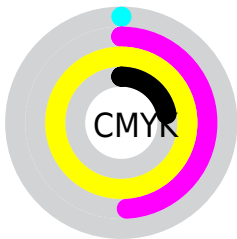
Blue (0%)



Red (75%)

Yellow (78%)

Blue (0%)

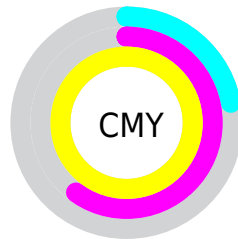


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5708, 21.7821, 2.6985 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 28.5708, 21.7821, 2.6985 by changing the saturation by 10% instead.


 28.5708, 21.7821,
2.6985


 28.5708, 21.7821,
2.6985


287.2153,
261.4062, 132.4228


 18.8990, 13.6969,
0.9427


 56.7968, 46.3856,
10.8749

 11.7009, 7.9101,
0.0000


 76.0817, 63.6727,
18.1328

 6.6111, 4.0375,
0.0000


 99.3017, 84.7958,
28.0618

 3.2643, 1.6946,
0.0000

 126.8221,
110.1394, 41.0805

 1.2950, 0.4201,
0.0000

 159.0083,
140.0878, 57.6074


 0.1795, 0.0000,
0.0000


 196.2257,


 0.0000, 0.0000,


175.0255, 78.0610


0.0000


 238.8396,
215.3368, 102.8600


 28.5708, 21.7821,
2.6985


 28.5708, 21.7821,
2.6985


 28.5710, 21.7828,
2.6986

 29.7183, 23.8754,
3.7041

 31.1135, 26.2549,
5.4358

 32.8058, 28.9472,
8.1340

 34.8225, 31.9687,
11.9256

 37.1870, 35.3340,
16.9180

■ 39.9203, 39.0566,
23.2055

■ 43.0413, 43.1490,
30.8729

■ 46.5675, 47.6229,
39.9976

■ 50.5153, 52.4894,
50.6515

Harmonies

Analogous

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



35.8864, 21.7821, 7.9721



28.5708, 21.7821, 2.6985



20.3985, 21.7821, 1.6580

Triad

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



28.5708, 21.7821, 2.6985



9.2607, 21.7821, 24.6049



29.2333, 21.7821, 80.5432

Complementary

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



28.5708, 21.7821, 2.6985



14.7928, 12.9052, 56.3545

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.



21.0110, 21.7821, 94.9851



28.5708, 21.7821, 2.6985



10.5507, 21.7821, 52.6737

Square

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



28.5708, 21.7821, 2.6985



10.3566, 21.7821, 8.7293



14.4314, 21.7821, 82.5410



36.3301, 21.7821, 50.1299

Rectangle

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



28.5708, 21.7821, 2.6985



15.8556, 21.7821, 2.1847



14.4314, 21.7821, 82.5410



26.4501, 21.7821, 88.0414

Sweetspot

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



28.5713, 21.7833, 2.6989



74.2724, 74.3869, 52.8267



26.1197, 13.1995, 13.2283



15.3875, 15.2588, 10.0373



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.



28.5713, 21.7833, 2.6989



49.2300, 37.2400, 4.5933



44.4734, 53.5875, 7.9996



11.0736, 11.5163, 11.2020



18.2565, 14.0303, 1.7459



0.9368, 0.8091, 0.1068

Inverse Universe

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



14.7928, 12.9052, 56.3545



25.3766, 21.8732, 97.4922



10.4254, 4.1702, 54.8986



10.4786, 11.1312, 13.5137



9.4949, 8.3837, 35.8621



0.5220, 0.5419, 1.7222

Previews

White Background



This preview shows how the XYZ color 28.5708, 21.7821, 2.6985 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 28.5708, 21.7821, 2.6985 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 28.5708, 21.7821, 2.6985

Background



This preview shows how black text looks on a background with the XYZ color 28.5708, 21.7821, 2.6985.



This preview shows how white text looks on a background with the XYZ color 28.5708, 21.7821,

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

28.5708, 21.7821, 2.6985

Protanopia

19.9379, 22.1167, 3.7484

Deuteranopia

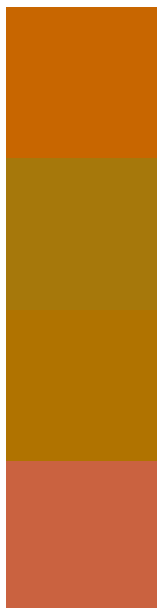
22.1872, 21.9524, 3.0679



Tritanopia

31.0698, 21.8205, 14.8861

Trichromacy



Original Color

28.5708, 21.7821, 2.6985

Protanomaly

22.5028, 21.5641, 3.2929

Deuteranomaly

24.0352, 21.4916, 2.8815

Tritanomaly

29.6502, 21.6621, 7.4690

Monochromacy



Original Color

28.5708, 21.7821, 2.6985

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.6041, 18.7216, 9.4179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5708, 21.7821, 2.6985 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(200, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 102, 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(200, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.5708, 21.7821, 2.6985 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(200, 102, 0) }
```


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

```
.border{ border-color:rgb(200, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 102,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5708, 21.7821, 2.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 102, 0) }
```

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

```
.background{ background-color: rgb(200,  
102, 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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