

Converting Colors

XYZ(27.9151, 21.0515, 2.5921)

Have a look what the booklet for
XYZ(27.9151, 21.0515, 2.5921)
contains.

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Color

**XYZ(28.0150, 21.0658,
2.5896)**

Conversions

Conversions Part 1

Format	Color
Hex	C76300
RGB	199, 99, 0
RGB Percent	78%, 39%, 0%
CMY	0.2196, 0.6117, 1.0000
CMYK	0.00, 0.50, 1.00, 0.22
HSL	30°, 100%, 39%
HSV	30°, 100%, 78%
XYZ	28.0150, 21.0658, 2.5896
YIQ	117.6140, 91.3790, -9.5890

Conversions

Conversions Part 2

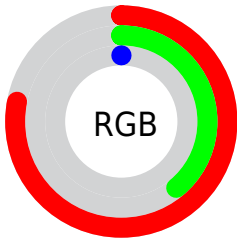
Format	Color
R_{YB}	199, 197, 0
Decimal	13067008
CIE _{Lab}	53.02, 35.25, 61.49
CIE _{LCh}	53, 70.872, 60.177
Yxy	21.0658, 0.5422, 0.4077
Android (android.graphics.Color)	4291257088 (0xFFC76300)
YUV	117.6140, -57.9837, 71.3755
Hunter-Lab	45.8975, 28.6326, 28.7830

Details

The XYZ color **28.0150, 21.0658, 2.5896** 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 **14.8659, 13.2378, 55.8039**, and the grayscale version is **17.2555, 18.1541, 19.7699**.

A 20% lighter version of the original color is **53.2320, 43.7634, 10.4920**, and **11.5795, 7.5999, 0.8566** is the 20% darker color. If you saturate the color by 10%, you get **28.0151, 21.0663, 2.5896**, and if you desaturate by 10%, it is **29.1477, 23.1308, 3.5859**.

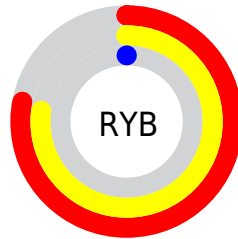
Distribution



Red (78%)

Green (39%)

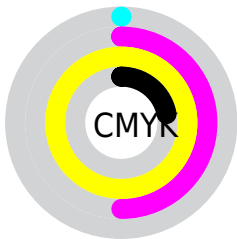
Blue (0%)



Red (78%)

Yellow (77%)

Blue (0%)

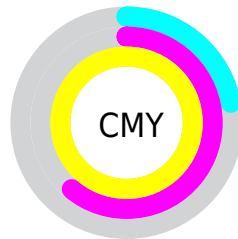


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0150, 21.0658, 2.5896 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 28.0150, 21.0658, 2.5896 by changing the saturation by 10% instead.


 28.0150, 21.0658,
2.5896


 28.0150, 21.0658,
2.5896

284.6174,
257.6280, 130.9485


 18.4775, 13.1721,
0.8871


 55.9169, 45.1970,
10.5978


 11.3951, 7.5472,
0.0000


 75.0119, 62.2033,
17.7425


 6.4025, 3.8066,
0.0000


 98.0235, 83.0160,
27.5391

 3.1343, 1.5660,
0.0000

 125.3171,
108.0194, 40.4061

 1.2252, 0.3345,
0.0000

 157.2578,
137.5978, 56.7620


 0.1261, 0.0000,
0.0000


 194.2113,


 0.0000, 0.0000,


172.1358, 77.0253


0.0000


 236.5426,
212.0178, 101.6147


 28.0150, 21.0658,
2.5896


 28.0150, 21.0658,
2.5896


 28.0151, 21.0663,
2.5896

 29.1477, 23.1308,
3.5859

 30.5302, 25.4889,
5.3011

 32.2118, 28.1671,
7.9735

 34.2198, 31.1821,
11.7286

 36.5776, 34.5489,
16.6726

■ 39.3061, 38.2814,
22.8985

■ 42.4243, 42.3924,
30.4903

■ 45.9497, 46.8940,
39.5245

■ 49.8987, 51.7975,
50.0722

Harmonies

Analogous

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



35.1147, 21.0658, 7.8886



28.0150, 21.0658, 2.5896



19.9781, 21.0658, 1.5175

Triad

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



28.0150, 21.0658, 2.5896



8.8513, 21.0658, 23.0642



28.1111, 21.0658, 79.7329

Complementary

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



28.0150, 21.0658, 2.5896



14.8659, 13.2378, 55.8039

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.



20.0668, 21.0658, 93.1685



28.0150, 21.0658, 2.5896



10.0250, 21.0658, 50.3198

Square

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



28.0150, 21.0658, 2.5896



9.9971, 21.0658, 7.9970



13.7160, 21.0658, 80.0245



35.1792, 21.0658, 49.9496

Rectangle

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



28.0150, 21.0658, 2.5896



15.4812, 21.0658, 1.9672



13.7160, 21.0658, 80.0245



25.3748, 21.0658, 86.9118

Sweetspot

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



28.0155, 21.0670, 2.5900



74.0256, 73.8932, 52.7444



25.9922, 13.1178, 13.9466



15.3291, 15.1422, 10.0179



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.



28.0155, 21.0670, 2.5900



48.8118, 36.4036, 4.4539



43.2214, 51.4788, 7.6586



11.0624, 11.4940, 11.1983



18.1020, 13.7212, 1.6944



0.9296, 0.7946, 0.1044

Inverse Universe

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



14.8659, 13.2378, 55.8039



25.7869, 22.6939, 97.6290



10.3449, 4.1957, 54.2969



10.4897, 11.1534, 13.5175



9.6466, 8.6872, 35.9127



0.5292, 0.5562, 1.7246

Previews

White Background



This preview shows how the XYZ color 28.0150, 21.0658, 2.5896 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 28.0150, 21.0658, 2.5896 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 28.0150, 21.0658, 2.5896

Background



This preview shows how black text looks on a background with the XYZ color 28.0150, 21.0658, 2.5896.



This preview shows how white text looks on a background with the XYZ color 28.0150, 21.0658,

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

28.0150, 21.0658, 2.5896

Protanopia

19.1480, 21.3185, 3.6360

Deuteranopia

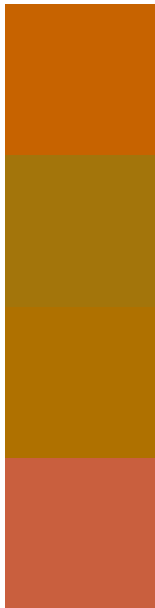
21.5353, 21.2518, 2.9670



Tritanopia

30.3889, 21.0927, 14.0249

Trichromacy



Original Color

28.0150, 21.0658, 2.5896

Protanomaly

21.5260, 20.5333, 3.1454

Deuteranomaly

23.5843, 20.9242, 2.7957

Tritanomaly

29.0491, 20.9497, 7.0701

Monochromacy



Original Color

28.0150, 21.0658, 2.5896

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.9871, 18.0799, 9.1457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0150, 21.0658, 2.5896 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(199, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 99, 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(199, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 99, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.0150, 21.0658, 2.5896 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(199, 99, 0) }
```


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

```
.border{ border-color:rgb(199, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.0150, 21.0658, 2.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 99, 0) }
```

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

```
.background{ background-color: rgb(199, 99,  
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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