

Converting Colors

XYZ(28.1121, 21.9497, 2.7551)

Have a look what the booklet for
XYZ(28.1121, 21.9497, 2.7551)
contains.

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Color

**XYZ(28.0775, 21.9735,
2.7615)**

Conversions

Conversions Part 1

Format	Color
Hex	C56900
RGB	197, 105, 0
RGB Percent	77%, 41%, 0%
CMY	0.2275, 0.5882, 1.0000
CMYK	0.00, 0.47, 1.00, 0.23
HSL	32°, 100%, 39%
HSV	32°, 100%, 77%
XYZ	28.0775, 21.9735, 2.7615
YIQ	120.5380, 88.5370, -13.1510

Conversions

Conversions Part 2

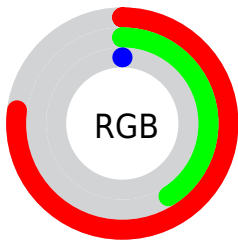
Format	Color
R_{YB}	173, 197, 0
Decimal	12937472
CIE _{Lab}	54.00, 31.28, 61.93
CIE _{LCh}	54, 69.378, 63.201
Yxy	21.9735, 0.5316, 0.4161
Android (android.graphics.Color)	4291127552 (0xFFC56900)
YUV	120.5380, -59.4252, 67.0572
Hunter-Lab	46.8759, 24.8842, 29.3203

Details

The XYZ color **28.0775, 21.9735, 2.7615** 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 **13.9052, 11.6855, 54.3454**, and the grayscale version is **18.1913, 19.1387, 20.8420**.

A 20% lighter version of the original color is **54.2511, 45.7556, 10.9734**, and **11.5675, 8.0626, 0.9466** is the 20% darker color. If you saturate the color by 10%, you get **28.0776, 21.9740, 2.7615**, and if you desaturate by 10%, it is **29.1900, 24.0008, 3.7424**.

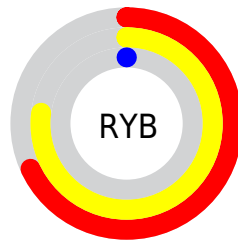
Distribution



Red (77%)

Green (41%)

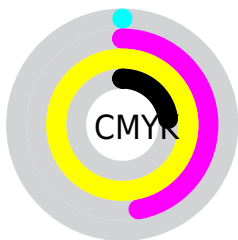
Blue (0%)



Red (68%)

Yellow (77%)

Blue (0%)

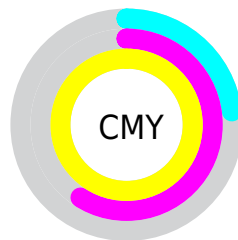


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0775, 21.9735, 2.7615 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 28.0775, 21.9735, 2.7615 by changing the saturation by 10% instead.


 28.0775, 21.9735,
2.7615


 28.0775, 21.9735,
2.7615


284.9104,
262.4079, 133.2625


 18.5248, 13.8374,
0.9742


 56.0159, 46.7022,
11.0340

 11.4294, 8.0077,
0.0000


 75.1324, 64.0636,
18.3563

 6.4259, 4.0999,
0.0000


 98.1675, 85.2689,
28.3607

 3.1488, 1.7296,
0.0000

 125.4867,
110.7025, 41.4657

 1.2329, 0.4427,
0.0000

 157.4552,
140.7488, 58.0898


 0.1321, 0.0000,
0.0000


 194.4384,


 0.0000, 0.0000,


175.7922, 78.6516


0.0000


 236.8017,
216.2171, 103.5697


 28.0775, 21.9735,
2.7615


 28.0775, 21.9735,
2.7615

 28.0776, 21.9740,
2.7615

 29.1900, 24.0008,
3.7424

 30.5321, 26.2862,
5.4196

 32.1515, 28.8543,
8.0271

 34.0740, 31.7199,
11.6870

 36.3217, 34.8963,
16.5025

■ 38.9142, 38.3956,
22.5642

■ 41.8696, 42.2289,
29.9536

■ 45.2041, 46.4067,
38.7454

■ 48.9333, 50.9390,
49.0085

Harmonies

Analogous

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



35.4087, 21.9735, 7.6976



28.0775, 21.9735, 2.7615



20.0910, 21.9735, 1.8502

Triad

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



28.0775, 21.9735, 2.7615



9.5502, 21.9735, 26.3041



29.8092, 21.9735, 77.7207

Complementary

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



28.0775, 21.9735, 2.7615



13.9052, 11.6855, 54.3454

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.



21.7000, 21.9735, 93.2910



28.0775, 21.9735, 2.7615



11.0006, 21.9735, 54.3771

Square

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



28.0775, 21.9735, 2.7615



10.4843, 21.9735, 9.7274



15.0396, 21.9735, 82.8844



36.5648, 21.9735, 47.7666

Rectangle

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



28.0775, 21.9735, 2.7615



15.7080, 21.9735, 2.5100



15.0396, 21.9735, 82.8844



27.0906, 21.9735, 85.4166

Sweetspot

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



28.0780, 21.9747, 2.7619



74.7296, 75.3014, 52.9791



25.1014, 12.7006, 12.0075



15.4956, 15.4752, 10.0734



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.



28.0780, 21.9747, 2.7619



50.0327, 38.8453, 4.8609



42.1413, 51.3638, 7.6933



11.0941, 11.5573, 11.2088



18.5524, 14.6221, 1.8445



0.9505, 0.8364, 0.1113

Inverse Universe

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



13.9052, 11.6855, 54.3454



24.6565, 20.4331, 97.2522



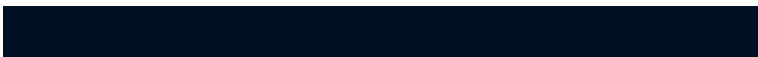
10.1192, 4.0526, 53.0716



10.4582, 11.0904, 13.5069



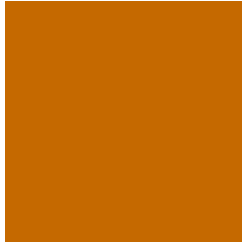
9.2279, 7.8497, 35.7731



0.5093, 0.5163, 1.7180

Previews

White Background



This preview shows how the XYZ color 28.0775, 21.9735, 2.7615 looks on a white background.

Color Contrast Check

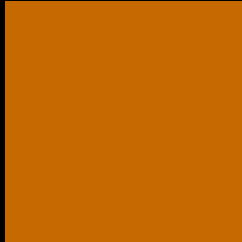
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0775, 21.9735, 2.7615 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 28.0775, 21.9735, 2.7615

Background



This preview shows how black text looks on a background with the XYZ color 28.0775, 21.9735, 2.7615.



This preview shows how white text looks on a background with the XYZ color 28.0775, 21.9735,

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

28.0775, 21.9735, 2.7615

Protanopia

19.9302, 22.1137, 3.7081

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

30.6858, 22.0142, 15.7285

Trichromacy



Original Color

28.0775, 21.9735, 2.7615

Protanomaly

22.4092, 21.6960, 3.2938

Deuteranomaly

24.1499, 21.7209, 2.9197

Tritanomaly

29.1902, 21.8428, 7.8318

Monochromacy



Original Color

28.0775, 21.9735, 2.7615

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.8647, 19.1869, 9.6776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0775, 21.9735, 2.7615 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, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 105, 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(197, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.0775, 21.9735, 2.7615 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, 105, 0) }
```


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

```
.border{ border-color:rgb(197, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(197, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0775, 21.9735, 2.7615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 105, 0) }
```

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

```
.background{ background-color: rgb(197,  
105, 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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