

Converting Colors

XYZ(27.9458, 17.8792, 1.9781)

Have a look what the booklet for
XYZ(27.9458, 17.8792, 1.9781)
contains.

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Color

**XYZ(28.0495, 17.9001,
1.9767)**

Conversions

Conversions Part 1

Format	Color
Hex	CF4800
RGB	207, 72, 0
RGB Percent	81%, 28%, 0%
CMY	0.1882, 0.7176, 1.0000
CMYK	0.00, 0.65, 1.00, 0.19
HSL	21°, 100%, 41%
HSV	21°, 100%, 81%
XYZ	28.0495, 17.9001, 1.9767
YIQ	104.1570, 103.5720, 6.2280

Conversions

Conversions Part 2

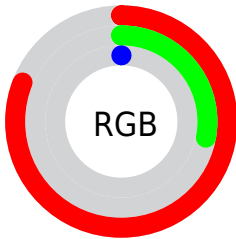
Format	Color
R_{YB}	207, 110, 0
Decimal	13584384
CIE _{Lab}	49.37, 51.10, 60.15
CIE _{LCh}	49, 78.927, 49.650
Yxy	17.9001, 0.5853, 0.3735
Android (android.graphics.Color)	4291774464 (0xFFCF4800)
YUV	104.1570, -51.3494, 90.1933
Hunter-Lab	42.3085, 44.3012, 26.8459

Details

The XYZ color **28.0495, 17.9001, 1.9767** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **19.9256, 21.8313, 62.1947**, and the grayscale version is **13.3151, 14.0085, 15.2552**.

A 20% lighter version of the original color is **49.5165, 36.5080, 8.7119**, and **11.5667, 6.0595, 0.5600** is the 20% darker color. If you saturate the color by 10%, you get **28.0497, 17.9008, 1.9768**, and if you desaturate by 10%, it is **29.1532, 19.8956, 2.9988**.

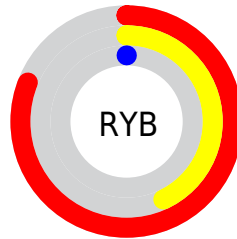
Distribution



Red (81%)

Green (28%)

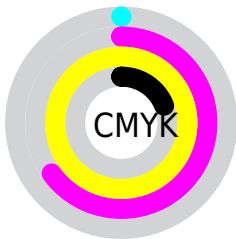
Blue (0%)



Red (81%)

Yellow (43%)

Blue (0%)

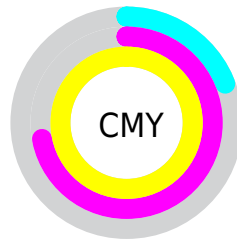


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0495, 17.9001, 1.9767 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 28.0495, 17.9001, 1.9767 by changing the saturation by 10% instead.


 28.0495, 17.9001,
1.9767


 28.0495, 17.9001,
1.9767


 284.7792,
240.3074, 122.0139


 18.5036, 10.8783,
0.5409


 55.9716, 39.8670,
8.9770


 11.4140, 5.9850,
0.0000


 75.0784, 55.5809,
15.4375

 6.4154, 2.8360,
0.0000


 98.1030, 74.9610,
24.4297

 3.1423, 1.0467,
0.0000

 125.4107, 98.3916,
36.3720

 1.2295, 0.0000,
0.0000

 157.3668,
126.2571, 51.6831

 0.1294, 0.0000,
0.0000


 194.3367,


 0.0000, 0.0000,


158.9420, 70.7814


0.0000


 236.6857,
196.8306, 94.0855

 28.0495, 17.9001,
1.9767


 28.0495, 17.9001,
1.9767


 28.0497, 17.9008,
1.9768

 29.1532, 19.8956,
2.9988

 30.6018, 22.3533,
4.8366

 32.4545, 25.3147,
7.7480

 34.7473, 28.8100,
11.8734

 37.5114, 32.8666,
17.3316

■ 40.7749, 37.5096,
24.2272

■ 44.5633, 42.7626,
32.6542

■ 48.9004, 48.6477,
42.6984

■ 53.8083, 55.1858,
54.4394

Harmonies

Analogous

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



34.3407, 17.9001, 8.7094



28.0495, 17.9001, 1.9767



19.7132, 17.9001, 0.5234

Triad

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



28.0495, 17.9001, 1.9767



6.4691, 17.9001, 13.0212



22.2881, 17.9001, 89.0656

Complementary

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



28.0495, 17.9001, 1.9767



19.9256, 21.8313, 62.1947

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.



14.5722, 17.9001, 93.8818



28.0495, 17.9001, 1.9767



6.7891, 17.9001, 36.7551

Square

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



28.0495, 17.9001, 1.9767



8.2785, 17.9001, 3.1835



9.3346, 17.9001, 70.3068



30.3999, 17.9001, 59.8328

Rectangle

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



28.0495, 17.9001, 1.9767



14.7277, 17.9001, 0.5117



9.3346, 17.9001, 70.3068



19.5244, 17.9001, 94.1294

Sweetspot

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



28.0499, 17.9012, 1.9770



71.1841, 68.2103, 51.7973



30.3195, 15.1004, 25.3617



14.6621, 13.8081, 9.7955



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.



28.0499, 17.9012, 1.9770



44.7878, 28.3555, 3.1126



40.5798, 42.9611, 6.1536



12.1403, 12.4712, 12.3794



17.7530, 11.4391, 1.2723



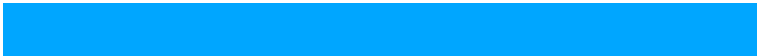
1.0661, 0.7866, 0.0956

Inverse Universe

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



19.9256, 21.8313, 62.1947



31.7402, 34.6003, 99.6134



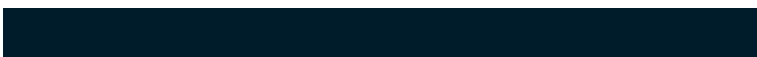
11.8490, 5.6780, 59.5025



11.7978, 12.6859, 15.0705



12.6455, 13.9375, 39.2162



0.7797, 0.9247, 2.2170

Previews

White Background



This preview shows how the XYZ color 28.0495, 17.9001, 1.9767 looks on a white 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

Black Background



This preview shows how the XYZ color 28.0495, 17.9001, 1.9767 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 28.0495, 17.9001, 1.9767

Background



This preview shows how black text looks on a background with the XYZ color 28.0495, 17.9001, 1.9767.



This preview shows how white text looks on a background with the XYZ color 28.0495, 17.9001,

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

28.0495, 17.9001, 1.9767

Protanopia

16.2961, 18.0013, 3.3748

Deuteranopia

18.1886, 17.9779, 2.5114



Tritanopia

29.1569, 17.8791, 7.8755

Trichromacy



Original Color

28.0495, 17.9001, 1.9767

Protanomaly

19.2302, 16.8127, 2.6471

Deuteranomaly

20.8523, 17.0954, 2.2007

Tritanomaly

28.6142, 17.8556, 4.4210

Monochromacy



Original Color

28.0495, 17.9001, 1.9767

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.7950, 13.7104, 6.9681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0495, 17.9001, 1.9767 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(207, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 72, 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(207, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.0495, 17.9001, 1.9767 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(207, 72, 0) }
```


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

```
.border{ border-color:rgb(207, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.0495, 17.9001, 1.9767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 72, 0) }
```

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

```
.background{ background-color: rgb(207, 72,  
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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