

Converting Colors

XYZ(27.2240, 16.4355, 1.7375)

Have a look what the booklet for
XYZ(27.2240, 16.4355, 1.7375)
contains.

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Color

**XYZ(27.3480, 16.4971,
1.7429)**

Conversions

Conversions Part 1

Format	Color
Hex	CF3C00
RGB	207, 60, 0
RGB Percent	81%, 24%, 0%
CMY	0.1882, 0.7647, 1.0000
CMYK	0.00, 0.71, 1.00, 0.19
HSL	17°, 100%, 41%
HSV	17°, 100%, 81%
XYZ	27.3480, 16.4971, 1.7429
YIQ	97.1130, 106.8720, 12.5040

Conversions

Conversions Part 2

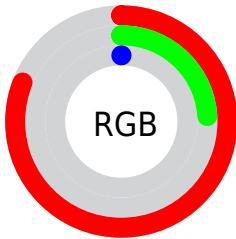
Format	Color
R_{YB}	207, 84, 0
Decimal	13581312
CIE _{Lab}	47.62, 55.87, 59.29
CIE _{LCh}	48, 81.460, 46.701
Yxy	16.4971, 0.5999, 0.3619
Android (android.graphics.Color)	4291771392 (0xFFCF3C00)
YUV	97.1130, -47.8767, 96.3709
Hunter-Lab	40.6166, 49.1086, 25.8874

Details

The XYZ color **27.3480, 16.4971, 1.7429** 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 **21.6951, 25.3703, 62.7845**, and the grayscale version is **11.4869, 12.0851, 13.1606**.

A 20% lighter version of the original color is **48.2491, 34.0563, 8.0335**, and **11.3277, 5.8396, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **27.3482, 16.4978, 1.7430**, and if you desaturate by 10%, it is **28.3610, 18.3112, 2.7348**.

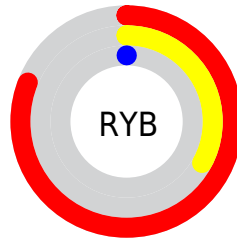
Distribution



Red (81%)

Green (24%)

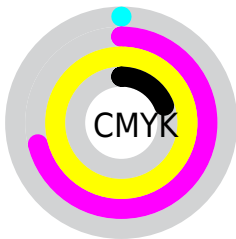
Blue (0%)



Red (81%)

Yellow (33%)

Blue (0%)

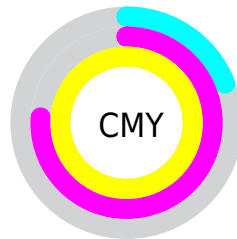


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3480, 16.4971, 1.7429 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 27.3480, 16.4971, 1.7429 by changing the saturation by 10% instead.


 27.3480, 16.4971,
1.7429


 27.3480, 16.4971,
1.7429


 281.4751,
232.2574, 118.2474


 17.9727, 9.8766,
0.3899


 54.8577, 37.4591,
8.3252

 11.0300, 5.3172,
0.0000


 73.7229, 52.5693,
14.4981

 6.1544, 2.4346,
0.0000


 96.4820, 71.2783,
23.1501

 2.9808, 0.8436,
0.0000

 123.5005, 93.9703,
34.6999

 1.1436, 0.0000,
0.0000

 155.1437,
121.0299, 49.5660


 0.0611, 0.0000,
0.0000


 191.7770,


 0.0000, 0.0000,


152.8413, 68.1670


0.0000


 233.7656,
189.7890, 90.9213


 27.3480, 16.4971,
1.7429


 27.3480, 16.4971,
1.7429


 27.3482, 16.4978,
1.7430

 28.3610, 18.3112,
2.7348

 29.7457, 20.6412,
4.5513

 31.5655, 23.5366,
7.4517

 33.8596, 27.0346,
11.5775

 36.6625, 31.1687,
17.0487

■ 40.0051, 35.9700,
23.9708

■ 43.9156, 41.4672,
32.4384

■ 48.4202, 47.6873,
42.5385

■ 53.5434, 54.6558,
54.3512

Harmonies

Analogous

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



33.2334, 16.4971, 8.7418



27.3480, 16.4971, 1.7429



19.1190, 16.4971, 0.1977

Triad

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



27.3480, 16.4971, 1.7429



5.6336, 16.4971, 10.2399



20.0482, 16.4971, 90.0238

Complementary

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



27.3480, 16.4971, 1.7429



21.6951, 25.3703, 62.7845

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.



12.6803, 16.4971, 91.8366



27.3480, 16.4971, 1.7429



5.7429, 16.4971, 32.0922

Square

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



27.3480, 16.4971, 1.7429



7.5505, 16.4971, 2.1223



7.9166, 16.4971, 65.6657



28.2068, 16.4971, 61.7591

Rectangle

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



27.3480, 16.4971, 1.7429



14.1053, 16.4971, 0.0839



7.9166, 16.4971, 65.6657



17.3677, 16.4971, 94.2308

Sweetspot

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



27.3484, 16.4981, 1.7431



70.1375, 66.1172, 51.4484



31.1051, 15.4146, 29.4986



14.4186, 13.3211, 9.7144



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.



27.3484, 16.4981, 1.7431



43.6836, 26.1472, 2.7445



38.6788, 39.1590, 5.5200



12.0840, 12.3586, 12.3606



17.3019, 10.5368, 1.1219



1.0359, 0.7261, 0.0856

Inverse Universe

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



21.6951, 25.3703, 62.7845



34.5897, 40.2993, 100.5632



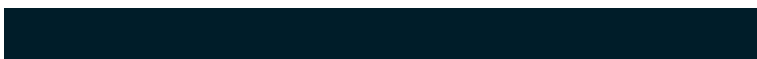
12.1952, 6.3706, 59.6179



11.8568, 12.8039, 15.0901



13.7537, 16.1540, 39.5856



0.8354, 1.0361, 2.2355

Previews

White Background



This preview shows how the XYZ color 27.3480, 16.4971, 1.7429 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 27.3480, 16.4971, 1.7429 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3480, 16.4971, 1.7429

Background



This preview shows how black text looks on a background with the XYZ color 27.3480, 16.4971, 1.7429.



This preview shows how white text looks on a background with the XYZ color 27.3480, 16.4971,

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

27.3480, 16.4971, 1.7429

Protanopia

15.0741, 16.6857, 3.2368

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

28.1903, 16.5437, 5.7105

Trichromacy



Original Color

27.3480, 16.4971, 1.7429

Protanomaly

17.9936, 15.2080, 2.4390

Deuteranomaly

19.6774, 15.6977, 1.9928

Tritanomaly

27.8095, 16.4697, 3.4635

Monochromacy



Original Color

27.3480, 16.4971, 1.7429

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

14.3564, 12.0068, 6.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3480, 16.4971, 1.7429 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, 60, 0)` looks like.

```
.text, #text, p{  
  color:rgb(207, 60, 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, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 60, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.3480, 16.4971, 1.7429 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, 60, 0) }
```


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

```
.border{ border-color:rgb(207, 60, 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, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.3480, 16.4971, 1.7429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 60, 0) }
```

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

```
.background{ background-color: rgb(207, 60,  
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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