

Converting Colors

XYZ(27.1430, 17.3197, 1.9124)

Have a look what the booklet for
XYZ(27.1430, 17.3197, 1.9124)
contains.

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Color

**XYZ(27.1551, 17.3438,
1.9165)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4700
RGB	204, 71, 0
RGB Percent	80%, 28%, 0%
CMY	0.2000, 0.7215, 1.0000
CMYK	0.00, 0.65, 1.00, 0.20
HSL	21°, 100%, 40%
HSV	21°, 100%, 80%
XYZ	27.1551, 17.3438, 1.9165
YIQ	102.6730, 102.0590, 6.1150

Conversions

Conversions Part 2

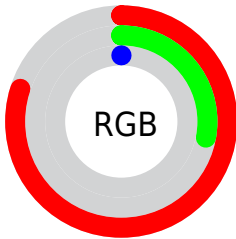
Format	Color
R_{YB}	204, 109, 0
Decimal	13387520
CIE Lab	48.69, 50.47, 59.51
CIE LCh	49, 78.033, 49.696
Yxy	17.3438, 0.5850, 0.3737
Android (android.graphics.Color)	4291577600 (0xFFCC4700)
YUV	102.6730, -50.6178, 88.8638
Hunter-Lab	41.6459, 43.5102, 26.4237

Details

The XYZ color **27.1551, 17.3438, 1.9165** 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 **19.2861, 21.1336, 60.1891**, and the grayscale version is **12.9171, 13.5898, 14.7993**.

A 20% lighter version of the original color is **49.3630, 36.2430, 8.5316**, and **11.0388, 5.7713, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **27.1552, 17.3444, 1.9166**, and if you desaturate by 10%, it is **28.2258, 19.2778, 2.9142**.

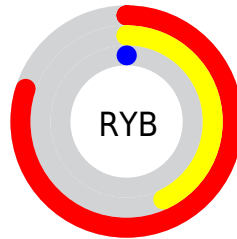
Distribution



Red (80%)

Green (28%)

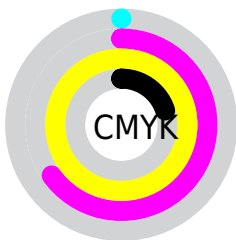
Blue (0%)



Red (80%)

Yellow (43%)

Blue (0%)

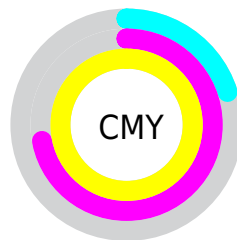


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1551, 17.3438, 1.9165 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 27.1551, 17.3438, 1.9165 by changing the saturation by 10% instead.

 27.1551, 17.3438,
1.9165


 27.1551, 17.3438,
1.9165


 280.5612,
237.1459, 121.0664


 17.8269, 10.4799,
0.5032


 54.5508, 38.9159,
8.8112


 10.9247, 5.7183,
0.0000


 73.3490, 54.3930,
15.1993


 6.0832, 2.6746,
0.0000


 96.0346, 73.5099,
24.1060

 2.9369, 0.9643,
0.0000

 122.9730, 96.6510,
35.9497

 1.1205, 0.0000,
0.0000

 154.5295,
124.2008, 51.1491

 0.0421, 0.0000,
0.0000


 191.0695,


 0.0000, 0.0000,


156.5436, 70.1227


0.0000


 232.9582,
194.0638, 93.2889


 27.1551, 17.3438,
1.9165

 27.1551, 17.3438,
1.9165


 27.1552, 17.3444,
1.9166

 28.2258, 19.2778,
2.9142

 29.6295, 21.6580,
4.6988

 31.4238, 24.5249,
7.5214

 33.6432, 27.9075,
11.5175

 36.3179, 31.8320,
16.8016

■ 39.4749, 36.3229,
23.4745

■ 43.1389, 41.4028,
31.6268

■ 47.3329, 47.0930,
41.3415

■ 52.0781, 53.4136,
52.6953

Harmonies

Analogous

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



33.2494, 17.3438, 8.4280



27.1551, 17.3438, 1.9165



19.0862, 17.3438, 0.5016

Triad

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



27.1551, 17.3438, 1.9165



6.2732, 17.3438, 12.6452



21.6031, 17.3438, 86.1788

Complementary

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



27.1551, 17.3438, 1.9165



19.2861, 21.1336, 60.1891

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.



14.1312, 17.3438, 90.8837



27.1551, 17.3438, 1.9165



6.5863, 17.3438, 35.6409

Square

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



27.1551, 17.3438, 1.9165



8.0225, 17.3438, 3.0985



9.0554, 17.3438, 68.1085



29.4522, 17.3438, 57.8751

Rectangle

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



27.1551, 17.3438, 1.9165



14.2619, 17.3438, 0.4916



9.0554, 17.3438, 68.1085



18.9274, 17.3438, 91.0918

Sweetspot

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



27.1555, 17.3448, 1.9168



71.1879, 68.2179, 51.7985



29.3458, 14.6150, 24.5673



14.6630, 13.8099, 9.7958



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.



27.1555, 17.3448, 1.9168



44.7922, 28.3643, 3.1141



39.2765, 41.5869, 5.9571



11.5264, 11.8417, 11.7576



17.1711, 11.0751, 1.2327



0.9565, 0.7128, 0.0872

Inverse Universe

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



19.2861, 21.1336, 60.1891



31.7305, 34.5810, 99.6102



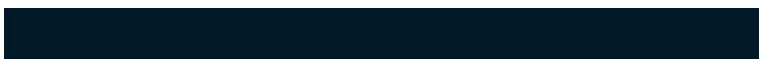
11.4712, 5.5039, 57.5841



11.2018, 12.0441, 14.3047



12.2287, 13.4814, 37.9139



0.7002, 0.8341, 1.9790

Previews

White Background



This preview shows how the XYZ color 27.1551, 17.3438, 1.9165 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 27.1551, 17.3438, 1.9165 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 27.1551, 17.3438, 1.9165

Background



This preview shows how black text looks on a background with the XYZ color 27.1551, 17.3438, 1.9165.



This preview shows how white text looks on a background with the XYZ color 27.1551, 17.3438,

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

27.1551, 17.3438, 1.9165

Protanopia

15.8567, 17.6020, 3.2713

Deuteranopia

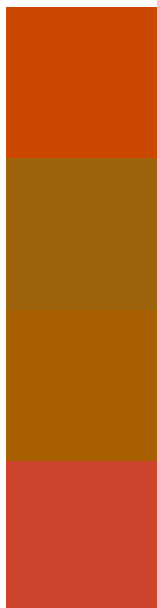
17.7171, 17.5719, 2.4579



Tritanopia

28.2305, 17.3178, 7.6491

Trichromacy



Original Color

27.1551, 17.3438, 1.9165

Protanomaly

18.7304, 16.4125, 2.5615

Deuteranomaly

20.3313, 16.6906, 2.1500

Tritanomaly

27.7176, 17.3028, 4.3615

Monochromacy



Original Color

27.1551, 17.3438, 1.9165

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.5397, 13.4510, 6.9315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1551, 17.3438, 1.9165 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(204, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 71, 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(204, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 71, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.1551, 17.3438, 1.9165 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(204, 71, 0) }
```


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

```
.border{ border-color:rgb(204, 71, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.1551, 17.3438, 1.9165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 71, 0) }
```

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

```
.background{ background-color: rgb(204, 71,  
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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