

Converting Colors

XYZ(27.9242, 19.1277, 1.5793)

Have a look what the booklet for
XYZ(27.9242, 19.1277, 1.5793)
contains.

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Color

**XYZ(28.0722, 19.1780,
2.2222)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5400
RGB	204, 84, 0
RGB Percent	80%, 33%, 0%
CMY	0.2000, 0.6706, 1.0000
CMYK	0.00, 0.59, 1.00, 0.20
HSL	25°, 100%, 40%
HSV	25°, 100%, 80%
XYZ	28.0722, 19.1780, 2.2222
YIQ	110.3040, 98.4840, -0.6840

Conversions

Conversions Part 2

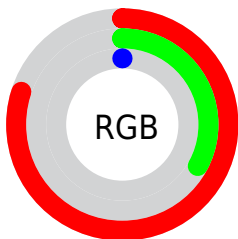
Format	Color
RYB	204, 143, 0
Decimal	13390848
CIELab	50.89, 44.64, 60.68
CIELCh	51, 75.330, 53.660
Yxy	19.1780, 0.5674, 0.3877
Android (android.graphics.Color)	4291580928 (0xFFCC5400)
YUV	110.3040, -54.3799, 82.1714
Hunter-Lab	43.7927, 37.7857, 27.6463

Details

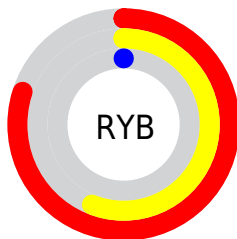
The XYZ color **28.0722, 19.1780, 2.2222** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.6153, 17.7921, 59.6322**, and the grayscale version is **15.0411, 15.8244, 17.2328**.

A 20% lighter version of the original color is **51.0280, 39.4882, 9.3474**, and **11.6196, 6.6793, 0.6768** is the 20% darker color. If you saturate the color by 10%, you get **28.0723, 19.1786, 2.2223**, and if you desaturate by 10%, it is **29.2151, 21.2563, 3.2440**.

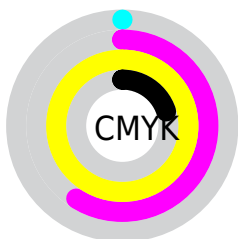
Distribution



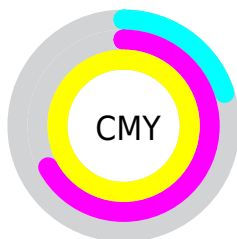
- Red (80%)
- Green (33%)
- Blue (0%)



- Red (80%)
- Yellow (56%)
- Blue (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (100%)
- Black (20%)





- Cyan (20%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0722, 19.1780, 2.2222 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 28.0722, 19.1780, 2.2222 by changing the saturation by 10% instead.


 28.0722, 19.1780,
2.2222


 28.0722, 19.1780,
2.2222


284.8856,
247.4297, 125.7369


 18.5208, 11.7990,
0.6871


 56.0075, 42.0347,
9.6398


 11.4265, 6.6069,
0.0000


 75.1222, 58.2811,
16.3852


 6.4239, 3.2175,
0.0000


 98.1553, 78.2521,
25.7130

 3.1476, 1.2463,
0.0000

 125.4723,
102.3321, 38.0417

 1.2323, 0.0991,
0.0000

 157.4385,
130.9054, 53.7899

 0.1316, 0.0000,
0.0000


 194.4191,


 0.0000, 0.0000,


164.3565, 73.3762


0.0000


 236.7797,
203.0698, 97.2190


 28.0722, 19.1780,
2.2222


 28.0722, 19.1780,
2.2222


 28.0723, 19.1786,
2.2223

 29.2151, 21.2563,
3.2440

 30.6618, 23.7225,
5.0429

 32.4667, 26.6108,
7.8692

 34.6617, 29.9445,
11.8572

 37.2743, 33.7448,
17.1206

■ 40.3290, 38.0310,
23.7595

■ 43.8483, 42.8214,
31.8637

■ 47.8530, 48.1330,
41.5153

■ 52.3624, 53.9822,
52.7906

Harmonies

Analogous

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



34.6949, 19.1780, 8.3894



28.0722, 19.1780, 2.2222



19.8516, 19.1780, 0.9005

Triad

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



28.0722, 19.1780, 2.2222



7.3967, 19.1780, 16.6815



24.5836, 19.1780, 85.2485

Complementary

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



28.0722, 19.1780, 2.2222



17.6153, 17.7921, 59.6322

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.



16.6956, 19.1780, 93.6569



28.0722, 19.1780, 2.2222



8.0240, 19.1780, 41.9815

Square

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



28.0722, 19.1780, 2.2222



8.9720, 19.1780, 4.8092



11.0053, 19.1780, 74.2207



32.3279, 19.1780, 55.7215

Rectangle

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



28.0722, 19.1780, 2.2222



15.0580, 19.1780, 1.0182



11.0053, 19.1780, 74.2207



21.8145, 19.1780, 91.2113

Sweetspot

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



28.0726, 19.1791, 2.2225



72.3732, 70.5884, 52.1936



28.4396, 14.2525, 19.7953



14.9402, 14.3644, 9.8882



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.



28.0726, 19.1791, 2.2225



46.2921, 31.3642, 3.6140



41.9592, 46.9524, 6.8514



11.5854, 11.9598, 11.7773



17.7560, 12.2450, 1.4277



0.9902, 0.7801, 0.0984

Inverse Universe

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



17.6153, 17.7921, 59.6322



28.9555, 29.0310, 98.6852



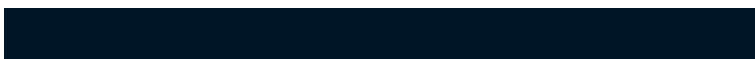
11.1565, 4.8744, 57.4792



11.1409, 11.9223, 14.2844



11.1807, 11.3855, 37.5646



0.6504, 0.7346, 1.9625

Previews

White Background



This preview shows how the XYZ color 28.0722, 19.1780, 2.2222 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 28.0722, 19.1780, 2.2222 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 28.0722, 19.1780, 2.2222

Background



This preview shows how black text looks on a background with the XYZ color 28.0722, 19.1780, 2.2222.



This preview shows how white text looks on a background with the XYZ color 28.0722, 19.1780,

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

28.0722, 19.1780, 2.2222

Protanopia

17.4023, 19.2879, 3.4676

Deuteranopia

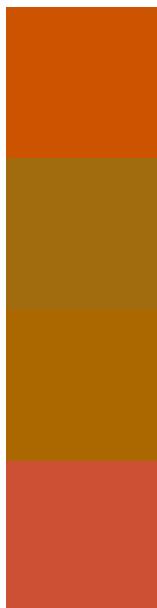
19.5718, 19.3608, 2.7055



Tritanopia

29.7393, 19.1951, 10.3212

Trichromacy



Original Color

28.0722, 19.1780, 2.2222

Protanomaly

20.1332, 18.3312, 2.8579

Deuteranomaly

21.9636, 18.6713, 2.4463

Tritanomaly

28.6881, 18.9735, 5.5184

Monochromacy



Original Color

28.0722, 19.1780, 2.2222

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.2608, 15.6788, 7.9109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0722, 19.1780, 2.2222 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, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 84, 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, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 84, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.0722, 19.1780, 2.2222 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, 84, 0) }
```


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

```
.border{ border-color:rgb(204, 84, 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, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.0722, 19.1780, 2.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 84, 0) }
```

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

```
.background{ background-color: rgb(204, 84,  
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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