

Converting Colors

XYZ(28.6579, 19.5924, 0.9184)

Have a look what the booklet for
XYZ(28.6579, 19.5924, 0.9184)
contains.

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Color

**XYZ(28.9806, 19.7624,
2.2871)**

Conversions

Conversions Part 1

Format	Color
Hex	CF5500
RGB	207, 85, 0
RGB Percent	81%, 33%, 0%
CMY	0.1882, 0.6666, 1.0000
CMYK	0.00, 0.59, 1.00, 0.19
HSL	25°, 100%, 41%
HSV	25°, 100%, 81%
XYZ	28.9806, 19.7624, 2.2871
YIQ	111.7880, 99.9970, -0.5710

Conversions

Conversions Part 2

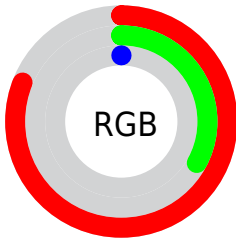
Format	Color
R_{YB}	207, 144, 0
Decimal	13587712
CIE _{Lab}	51.57, 45.29, 61.31
CIE _{LCh}	52, 76.228, 53.546
Yxy	19.7624, 0.5679, 0.3873
Android (android.graphics.Color)	4291777792 (0xFFCF5500)
YUV	111.7880, -55.1115, 83.5009
Hunter-Lab	44.4549, 38.5698, 28.0681

Details

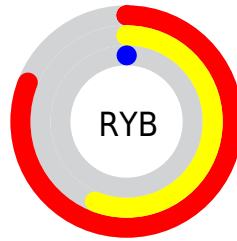
The XYZ color **28.9806, 19.7624, 2.2871** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **18.2215, 18.4231, 61.6265**, and the grayscale version is **15.4758, 16.2817, 17.7308**.

A 20% lighter version of the original color is **51.1980, 39.7848, 9.5382**, and **11.9916, 6.9093, 0.7016** is the 20% darker color. If you saturate the color by 10%, you get **28.9808, 19.7630, 2.2872**, and if you desaturate by 10%, it is **30.1584, 21.9061, 3.3340**.

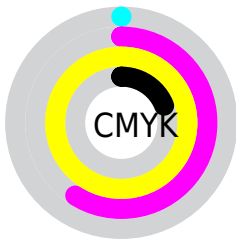
Distribution



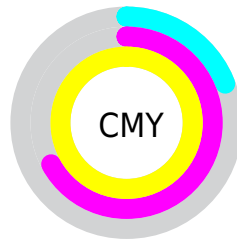
- Red (81%)
- Green (33%)
- Blue (0%)



- Red (81%)
- Yellow (56%)
- Blue (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (100%)
- Black (19%)





- Cyan (19%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9806, 19.7624, 2.2871 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 28.9806, 19.7624, 2.2871 by changing the saturation by 10% instead.


 28.9806, 19.7624,
2.2871


 28.9806, 19.7624,
2.2871


289.1193,
250.6259, 126.6867


 19.2104, 12.2224,
0.7240


 57.4440, 43.0185,
9.8118

 11.9273, 6.8954,
0.0000


 76.8679, 59.5034,
16.6299

 6.7660, 3.3967,
0.0000


 100.2404, 79.7387,
26.0432

 3.3612, 1.3422,
0.0000

 127.9269,
104.1089, 38.4702

 1.3475, 0.1735,
0.0000

 160.2926,
132.9983, 54.3296

 0.2184, 0.0000,
0.0000


 197.7030,


 0.0000, 0.0000,


166.7914, 74.0397


0.0000


 240.5235,
205.8725, 98.0192


 28.9806, 19.7624,
2.2871


 28.9806, 19.7624,
2.2871

 28.9808, 19.7630,
2.2872

 30.1584, 21.9061,
3.3340

 31.6514, 24.4525,
5.1867

 33.5155, 27.4368,
8.1019

 35.7839, 30.8833,
12.2192

 38.4851, 34.8140,
17.6566

■ 41.6447, 39.2492,
24.5176

■ 45.2859, 44.2078,
32.8956

■ 49.4303, 49.7075,
42.8756

■ 54.0981, 55.7652,
54.5366

Harmonies

Analogous

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



35.8083, 19.7624, 8.6702



28.9806, 19.7624, 2.2871



20.4907, 19.7624, 0.9204

Triad

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



28.9806, 19.7624, 2.2871



7.6092, 19.7624, 17.1106



25.3132, 19.7624, 88.1140

Complementary

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



28.9806, 19.7624, 2.2871



18.2215, 18.4231, 61.6265

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.



17.1740, 19.7624, 96.6951



28.9806, 19.7624, 2.2871



8.2474, 19.7624, 43.1876

Square

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



28.9806, 19.7624, 2.2871



9.2426, 19.7624, 4.9132



11.3123, 19.7624, 76.5116



33.3195, 19.7624, 57.6385

Rectangle

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



28.9806, 19.7624, 2.2871



15.5364, 19.7624, 1.0366



11.3123, 19.7624, 76.5116



22.4543, 19.7624, 94.2452

Sweetspot

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



28.9810, 19.7635, 2.2874



72.3518, 70.5457, 52.1865



29.3828, 14.7257, 20.4294



14.9352, 14.3544, 9.8866



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.



28.9810, 19.7635, 2.2874



46.2628, 31.3055, 3.6043



43.3540, 48.5095, 7.0784



12.2017, 12.5942, 12.3999



18.3475, 12.6280, 1.4704



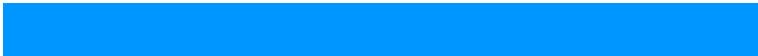
1.1032, 0.8606, 0.1080

Inverse Universe

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



18.2215, 18.4231, 61.6265



29.0016, 29.1232, 98.7005



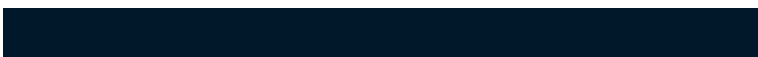
11.5252, 5.0305, 59.3944



11.7344, 12.5590, 15.0493



11.5754, 11.7975, 38.8595



0.7243, 0.8138, 2.1985

Previews

White Background



This preview shows how the XYZ color 28.9806, 19.7624, 2.2871 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 28.9806, 19.7624, 2.2871 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 28.9806, 19.7624, 2.2871

Background



This preview shows how black text looks on a background with the XYZ color 28.9806, 19.7624, 2.2871.



This preview shows how white text looks on a background with the XYZ color 28.9806, 19.7624,

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

28.9806, 19.7624, 2.2871

Protanopia

17.9814, 19.9548, 3.5658

Tritanopia

30.6907, 19.7874, 10.5893

Trichromacy



Original Color

28.9806, 19.7624, 2.2871

Protanomaly

20.9584, 19.0734, 2.9577

Tritanomaly

29.5975, 19.5518, 5.5821

Monochromacy



Original Color

28.9806, 19.7624, 2.2871

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.9213, 16.1607, 8.1360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9806, 19.7624, 2.2871 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, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 85, 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, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.9806, 19.7624, 2.2871 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, 85, 0) }
```

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

```
.border{ border-color:rgb(207, 85, 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, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 85, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 28.9806, 19.7624, 2.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 85, 0) }
```

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

```
.background{ background-color: rgb(207, 85,  
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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