

Converting Colors

XYZ(28.0092, 18.2294, 2.0424)

Have a look what the booklet for
XYZ(28.0092, 18.2294, 2.0424)
contains.

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Color

**XYZ(28.0380, 18.2907,
2.0527)**

Conversions

Conversions Part 1

Format	Color
Hex	CE4C00
RGB	206, 76, 0
RGB Percent	81%, 30%, 0%
CMY	0.1922, 0.7019, 1.0000
CMYK	0.00, 0.63, 1.00, 0.19
HSL	22°, 100%, 40%
HSV	22°, 100%, 81%
XYZ	28.0380, 18.2907, 2.0527
YIQ	106.2060, 101.8760, 3.9240

Conversions

Conversions Part 2

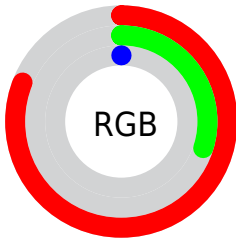
Format	Color
RYB	206, 120, 0
Decimal	13519872
CIELab	49.85, 49.02, 60.30
CIElCh	50, 77.711, 50.891
Yxy	18.2907, 0.5795, 0.3781
Android (android.graphics.Color)	4291709952 (0xFFCE4C00)
YUV	106.2060, -52.3596, 87.5193
Hunter-Lab	42.7676, 42.1793, 27.0916

Details

The XYZ color **28.0380, 18.2907, 2.0527** 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 **19.1224, 20.4199, 61.3255**, and the grayscale version is **13.8768, 14.5995, 15.8989**.

A 20% lighter version of the original color is **50.0382, 37.5515, 8.8858**, and **11.5130, 6.2102, 0.5919** is the 20% darker color. If you saturate the color by 10%, you get **28.0382, 18.2914, 2.0528**, and if you desaturate by 10%, it is **29.1581, 20.3204, 3.0758**.

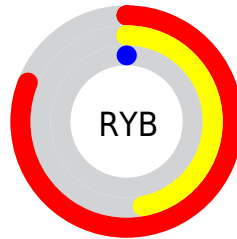
Distribution



Red (81%)

Green (30%)

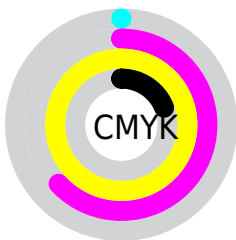
Blue (0%)



Red (81%)

Yellow (47%)

Blue (0%)

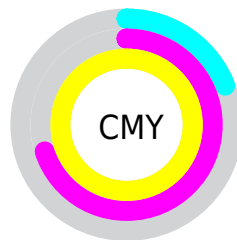


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0380, 18.2907, 2.0527 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 28.0380, 18.2907, 2.0527 by changing the saturation by 10% instead.

 28.0380, 18.2907,
2.0527


 28.0380, 18.2907,
2.0527


 284.7252,
242.5045, 123.1898


 18.4949, 11.1589,
0.5874


 55.9533, 40.5321,
9.1844


 11.4077, 6.1738,
0.0000


 75.0563, 56.4104,
15.7348


 6.4111, 2.9511,
0.0000


 98.0765, 75.9730,
24.8330

 3.1396, 1.1062,
0.0000

 125.3795, 99.6044,
36.8976

 1.2280, 0.0000,
0.0000

 157.3305,
127.6888, 52.3470

 0.1283, 0.0000,
0.0000


 194.2949,


 0.0000, 0.0000,


160.6107, 71.5998


0.0000


 236.6380,
198.7545, 95.0746


 28.0380, 18.2907,
2.0527

 28.0380, 18.2907,
2.0527


 28.0382, 18.2914,
2.0528

 29.1581, 20.3204,
3.0758

 30.6092, 22.7874,
4.9016

 32.4489, 25.7303,
7.7854

 34.7117, 29.1769,
11.8656

 37.4273, 33.1523,
17.2593

■ 40.6227, 37.6795,
24.0693

■ 44.3223, 42.7803,
32.3884

■ 48.5488, 48.4748,
42.3012

■ 53.3234, 54.7824,
53.8859

Harmonies

Analogous

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



34.4298, 18.2907, 8.6022



28.0380, 18.2907, 2.0527



19.7450, 18.2907, 0.6440

Triad

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



28.0380, 18.2907, 2.0527



6.7533, 18.2907, 14.1170



22.9901, 18.2907, 87.7672

Complementary

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



28.0380, 18.2907, 2.0527



19.1224, 20.4199, 61.3255

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.



15.2205, 18.2907, 93.7377



28.0380, 18.2907, 2.0527



7.1652, 18.2907, 38.3477

Square

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



28.0380, 18.2907, 2.0527



8.4917, 18.2907, 3.6536



9.8431, 18.2907, 71.4880



30.9860, 18.2907, 58.4558

Rectangle

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



28.0380, 18.2907, 2.0527



14.8240, 18.2907, 0.6733



9.8431, 18.2907, 71.4880



20.2247, 18.2907, 93.1191

Sweetspot

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



28.0384, 18.2918, 2.0530



71.5726, 68.9874, 51.9268



29.5141, 14.7460, 22.5747



14.7528, 13.9895, 9.8258



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.



28.0384, 18.2918, 2.0530



45.2503, 29.2807, 3.2668



41.4800, 45.1750, 6.5335



11.5457, 11.8803, 11.7640



17.3506, 11.4341, 1.2925



0.9671, 0.7340, 0.0907

Inverse Universe

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



19.1224, 20.4199, 61.3255



30.7799, 32.6797, 99.2933



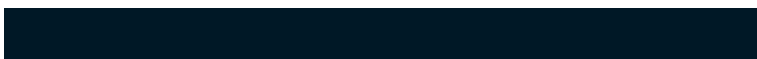
11.5433, 5.2618, 58.7991



11.1818, 12.0040, 14.2980



11.8704, 12.7647, 37.7945



0.6834, 0.8005, 1.9734

Previews

White Background



This preview shows how the XYZ color 28.0380, 18.2907, 2.0527 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 28.0380, 18.2907, 2.0527 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 28.0380, 18.2907, 2.0527

Background



This preview shows how black text looks on a background with the XYZ color 28.0380, 18.2907, 2.0527.



This preview shows how white text looks on a background with the XYZ color 28.0380, 18.2907,

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

28.0380, 18.2907, 2.0527

Protanopia

16.6833, 18.5554, 3.4117

Deuteranopia

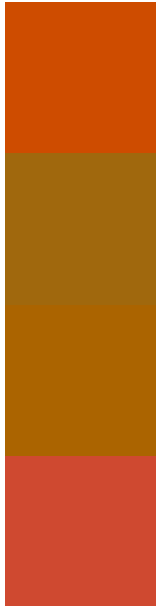
18.6676, 18.3896, 2.5657



Tritanopia

29.5357, 18.4244, 8.6562

Trichromacy



Original Color

28.0380, 18.2907, 2.0527

Protanomaly

19.5202, 17.4033, 2.7111

Deuteranomaly

21.3518, 17.7723, 2.3050

Tritanomaly

28.6482, 18.2439, 4.8078

Monochromacy



Original Color

28.0380, 18.2907, 2.0527

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

16.2607, 14.3404, 7.2211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0380, 18.2907, 2.0527 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(206, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 76, 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(206, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.0380, 18.2907, 2.0527 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(206, 76, 0) }
```


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

```
.border{ border-color:rgb(206, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.0380, 18.2907, 2.0527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 76, 0) }
```

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

```
.background{ background-color: rgb(206, 76,  
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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