

Converting Colors

XYZ(28.0799, 18.1473, 2.0228)

Have a look what the booklet for
XYZ(28.0799, 18.1473, 2.0228)
contains.

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Color

**XYZ(28.1809, 18.1630,
2.0205)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CF4A00 |
| RGB | 207, 74, 0 |
| RGB Percent | 81%, 29%, 0% |
| CMY | 0.1882, 0.7098, 1.0000 |
| CMYK | 0.00, 0.64, 1.00, 0.19 |
| HSL | 21°, 100%, 41% |
| HSV | 21°, 100%, 81% |
| XYZ | 28.1809, 18.1630, 2.0205 |
| YIQ | 105.3310, 103.0220, 5.1820 |

Conversions

Conversions Part 2

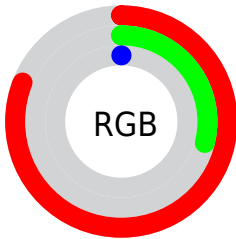
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 207, 115, 0 |
| Decimal | 13584896 |
| CIE _{Lab} | 49.69, 50.25, 60.31 |
| CIE _{LCh} | 50, 78.502, 50.203 |
| Yxy | 18.1630, 0.5827, 0.3755 |
| Android (android.graphics.Color) | 4291774976 (0xFFCF4A00) |
| YUV | 105.3310, -51.9282, 89.1637 |
| Hunter-Lab | 42.6181, 43.4502, 27.0217 |

Details

The XYZ color **28.1809, 18.1630, 2.0205** 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 **19.6490, 21.2781, 62.1024**, and the grayscale version is **13.6353, 14.3454, 15.6221**.

A 20% lighter version of the original color is **49.7748, 37.0246, 8.7980**, and **11.6213, 6.1686, 0.5782** is the 20% darker color. If you saturate the color by 10%, you get **28.1811, 18.1638, 2.0207**, and if you desaturate by 10%, it is **29.2977, 20.1848, 3.0470**.

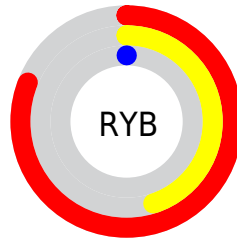
Distribution



Red (81%)

Green (29%)

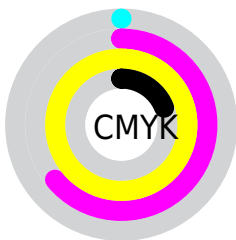
Blue (0%)



Red (81%)

Yellow (45%)

Blue (0%)

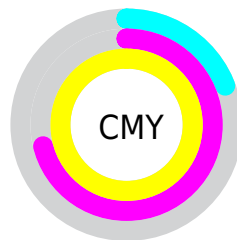


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1809, 18.1630, 2.0205 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 28.1809, 18.1630, 2.0205 by changing the saturation by 10% instead.

■ 28.1809, 18.1630,
2.0205

■ 28.1809, 18.1630,
2.0205

■ 285.3947,
241.7882, 122.6943

■ 18.6032, 11.0671,
0.5678

■ 56.1798, 40.3149,
9.0968

■ 11.4862, 6.1120,
0.0000

■ 75.3316, 56.1396,
15.6093

■ 6.4646, 2.9133,
0.0000

■ 98.4056, 75.6428,
24.6628

■ 3.1729, 1.0866,
0.0000

■ 125.7671, 99.2087,
36.6759

■ 1.2458, 0.0000,
0.0000

■ 157.7814,
127.2218, 52.0670

■ 0.1421, 0.0000,
0.0000


■ 194.8139,


■ 0.0000, 0.0000,


160.0665, 71.2548


0.0000


 237.2299,
198.1272, 94.6577


 28.1809, 18.1630,
2.0205


 28.1809, 18.1630,
2.0205


 28.1811, 18.1638,
2.0207

 29.2977, 20.1848,
3.0470

 30.7549, 22.6595,
4.8876

 32.6110, 25.6278,
7.8001

 34.9016, 29.1188,
11.9247

 37.6574, 33.1588,
17.3802

■ 40.9061, 37.7723,
24.2708

■ 44.6729, 42.9820,
32.6905

■ 48.9811, 48.8092,
42.7250

■ 53.8525, 55.2743,
54.4537

Harmonies

Analogous

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



34.5480, 18.1630, 8.7035



28.1809, 18.1630, 2.0205



19.8237, 18.1630, 0.5817

Triad

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



28.1809, 18.1630, 2.0205



6.6280, 18.1630, 13.5721



22.7118, 18.1630, 88.9108

Complementary

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



28.1809, 18.1630, 2.0205



19.6490, 21.2781, 62.1024

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.



14.9336, 18.1630, 94.2729



28.1809, 18.1630, 2.0205



6.9904, 18.1630, 37.6474

Square

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



28.1809, 18.1630, 2.0205



8.4148, 18.1630, 3.4060



9.6075, 18.1630, 71.1802



30.8116, 18.1630, 59.4996

Rectangle

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



28.1809, 18.1630, 2.0205



14.8429, 18.1630, 0.5885



9.6075, 18.1630, 71.1802



19.9336, 18.1630, 94.1298

Sweetspot

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



28.1813, 18.1641, 2.0208



71.3615, 68.5652, 51.8564



30.0735, 15.0020, 24.0667



14.7035, 13.8909, 9.8093



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.



28.1813, 18.1641, 2.0208



44.9955, 28.7710, 3.1818



41.2474, 44.2962, 6.3761



12.1497, 12.4901, 12.3825



17.8372, 11.6075, 1.3003



1.0715, 0.7974, 0.0974

Inverse Universe

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



19.6490, 21.2781, 62.1024



31.2953, 33.7106, 99.4651



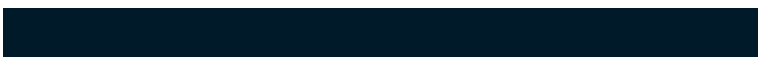
11.7538, 5.4877, 59.4707



11.7880, 12.6663, 15.0672



12.4720, 13.5906, 39.1584



0.7709, 0.9070, 2.2140

Previews

White Background



This preview shows how the XYZ color 28.1809, 18.1630, 2.0205 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 28.1809, 18.1630, 2.0205 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 28.1809, 18.1630, 2.0205

Background



This preview shows how black text looks on a background with the XYZ color 28.1809, 18.1630, 2.0205.



This preview shows how white text looks on a background with the XYZ color 28.1809, 18.1630,

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

28.1809, 18.1630, 2.0205

Protanopia

16.5637, 18.3161, 3.3718

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

29.3431, 18.1472, 8.2595

Trichromacy



Original Color

28.1809, 18.1630, 2.0205

Protanomaly

19.6208, 17.3066, 2.6872

Deuteranomaly

21.2564, 17.5816, 2.2733

Tritanomaly

28.7588, 18.1136, 4.5653

Monochromacy



Original Color

28.1809, 18.1630, 2.0205

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.1712, 14.1614, 7.1913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1809, 18.1630, 2.0205 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, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 74, 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, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.1809, 18.1630, 2.0205 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, 74, 0) }
```


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

```
.border{ border-color:rgb(207, 74, 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, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.1809, 18.1630, 2.0205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 74, 0) }
```

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

```
.background{ background-color: rgb(207, 74,  
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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