

Converting Colors

XYZ(28.4379, 21.3924, 0.0000)

Have a look what the booklet for
XYZ(28.4379, 21.3924, 0.0000)
contains.

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Color

**XYZ(28.8190, 21.4802,
2.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	CA6300
RGB	202, 99, 0
RGB Percent	79%, 39%, 0%
CMY	0.2078, 0.6117, 1.0000
CMYK	0.00, 0.51, 1.00, 0.21
HSL	29°, 100%, 40%
HSV	29°, 100%, 79%
XYZ	28.8190, 21.4802, 2.6272
YIQ	118.5110, 93.1670, -8.9530

Conversions

Conversions Part 2

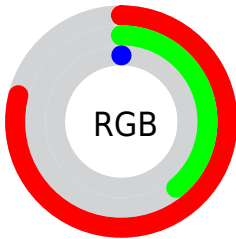
Format	Color
R_{YB}	202, 194, 0
Decimal	13263616
CIE _{Lab}	53.47, 36.46, 61.98
CIE _{LCh}	53, 71.913, 59.535
Yxy	21.4802, 0.5445, 0.4059
Android (android.graphics.Color)	4291453696 (0xFFCA6300)
YUV	118.5110, -58.4259, 73.2199
Hunter-Lab	46.3467, 29.8868, 29.0818

Details

The XYZ color **28.8190, 21.4802, 2.6272** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.5109, 13.9648, 57.7548**, and the grayscale version is **17.5389, 18.4523, 20.0945**.

A 20% lighter version of the original color is **53.2320, 43.7634, 10.4920**, and **12.0828, 7.8593, 0.8802** is the 20% darker color. If you saturate the color by 10%, you get **28.8191, 21.4807, 2.6273**, and if you desaturate by 10%, it is **29.9864, 23.6104, 3.6483**.

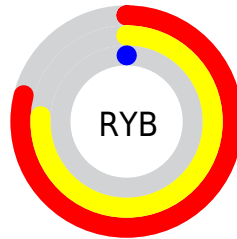
Distribution



Red (79%)

Green (39%)

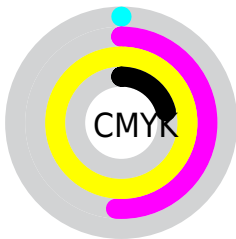
Blue (0%)



Red (79%)

Yellow (76%)

Blue (0%)

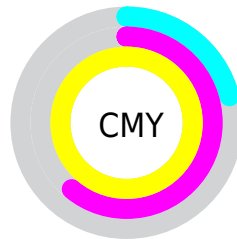


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8190, 21.4802, 2.6272 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 28.8190, 21.4802, 2.6272 by changing the saturation by 10% instead.


 28.8190, 21.4802,
2.6272


 28.8190, 21.4802,
2.6272


288.3696,
259.8196, 131.4609


 19.0875, 13.4755,
0.9064


 57.1889, 45.8854,
10.6938

 11.8379, 7.7568,
0.0000


 76.5581, 63.0546,
17.8778

 6.7048, 3.9397,
0.0000


 99.8706, 84.0474,
27.7205

 3.3229, 1.6399,
0.0000

 127.4917,
109.2482, 40.6402

 1.3267, 0.3843,
0.0000

 159.7868,
139.0415, 57.0555

 0.2031, 0.0000,
0.0000


 197.1213,


 0.0000, 0.0000,


173.8115, 77.3851


0.0000


 239.8604,
213.9428, 102.0474


 28.8190, 21.4802,
2.6272


 28.8190, 21.4802,
2.6272

 28.8191, 21.4807,
2.6273

 29.9864, 23.6104,
3.6483

 31.4161, 26.0508,
5.4164

 33.1588, 28.8293,
8.1765

 35.2430, 31.9638,
12.0587

 37.6933, 35.4703,
17.1734

■ 40.5316, 39.3634,
23.6173

■ 43.7776, 43.6568,
31.4775

■ 47.4497, 48.3633,
40.8335

■ 51.5651, 53.4950,
51.7589

Harmonies

Analogous

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



36.0745, 21.4802, 8.1617



28.8190, 21.4802, 2.6272



20.5359, 21.4802, 1.4927

Triad

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



28.8190, 21.4802, 2.6272



8.9570, 21.4802, 23.0480



28.5596, 21.4802, 82.5203

Complementary

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



28.8190, 21.4802, 2.6272



15.5109, 13.9648, 57.7548

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.



20.2971, 21.4802, 95.8649



28.8190, 21.4802, 2.6272



10.1063, 21.4802, 50.9071

Square

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



28.8190, 21.4802, 2.6272



10.1812, 21.4802, 7.8717



13.8297, 21.4802, 81.7304



35.9003, 21.4802, 51.9082

Rectangle

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



28.8190, 21.4802, 2.6272



15.8822, 21.4802, 1.9142



13.8297, 21.4802, 81.7304



25.7403, 21.4802, 89.7908

Sweetspot

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



28.8195, 21.4814, 2.6276



73.8805, 73.6030, 52.6961



26.8746, 13.5636, 14.3970



15.2949, 15.0737, 10.0064



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.



28.8195, 21.4814, 2.6276



48.5710, 35.9219, 4.3737



44.6961, 53.2347, 7.9198



11.6587, 12.1063, 11.8017



18.6336, 14.0001, 1.7202



1.0372, 0.8741, 0.1140

Inverse Universe

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



15.5109, 13.9648, 57.7548



26.0354, 23.1908, 97.7118



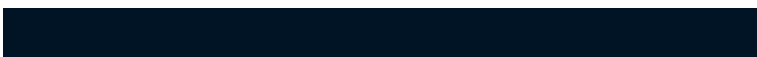
10.6973, 4.3375, 56.1502



11.0667, 11.7739, 14.2597



10.0704, 9.1647, 37.1945



0.5954, 0.6245, 1.9441

Previews

White Background



This preview shows how the XYZ color 28.8190, 21.4802, 2.6272 looks on a white background.

Color Contrast Check

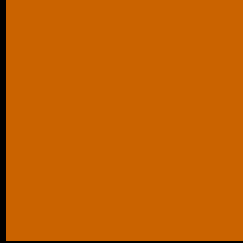
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8190, 21.4802, 2.6272 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 28.8190, 21.4802, 2.6272

Background



This preview shows how black text looks on a background with the XYZ color 28.8190, 21.4802, 2.6272.



This preview shows how white text looks on a background with the XYZ color 28.8190, 21.4802,

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

28.8190, 21.4802, 2.6272

Protanopia

19.6365, 21.7639, 3.7382

Deuteranopia

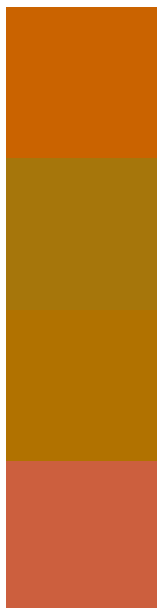
21.8598, 21.6004, 3.0172



Tritanopia

31.2086, 21.5153, 14.0633

Trichromacy



Original Color

28.8190, 21.4802, 2.6272

Protanomaly

22.2647, 21.0880, 3.2135

Deuteranomaly

24.1488, 21.3817, 2.8543

Tritanomaly

29.8635, 21.3696, 7.1082

Monochromacy



Original Color

28.8190, 21.4802, 2.6272

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.4931, 18.4997, 9.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8190, 21.4802, 2.6272 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(202, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 99, 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(202, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 99, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.8190, 21.4802, 2.6272 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(202, 99, 0) }
```


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

```
.border{ border-color:rgb(202, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.8190, 21.4802, 2.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 99, 0) }
```

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

```
.background{ background-color: rgb(202, 99,  
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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