

Converting Colors

XYZ(28.3355, 22.9298, 2.9919)

Have a look what the booklet for
XYZ(28.3355, 22.9298, 2.9919)
contains.

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Color

**XYZ(28.3518, 22.8920,
2.9817)**

Conversions

Conversions Part 1

Format	Color
Hex	C46E02
RGB	196, 110, 2
RGB Percent	77%, 43%, 1%
CMY	0.2314, 0.5686, 0.9921
CMYK	0.00, 0.44, 0.99, 0.23
HSL	33°, 98%, 39%
HSV	33°, 99%, 77%
XYZ	28.3518, 22.8920, 2.9817
YIQ	123.4020, 85.9240, -15.3560

Conversions

Conversions Part 2

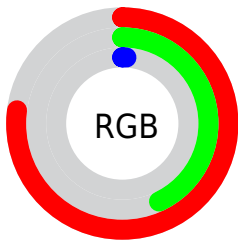
Format	Color
R_{YB}	156, 196, 2
Decimal	12873218
CIE _{Lab}	54.96, 28.21, 62.06
CIE _{LCh}	55, 68.175, 65.553
Yxy	22.8920, 0.5228, 0.4222
Android (android.graphics.Color)	4291063298 (0xFFC46E02)
YUV	123.4020, -59.8512, 63.6684
Hunter-Lab	47.8456, 22.0438, 29.7970

Details

The XYZ color **28.3518, 22.8920, 2.9817** 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 **13.4784, 10.9777, 53.6325**, and the grayscale version is **19.1326, 20.1290, 21.9205**.

A 20% lighter version of the original color is **55.1734, 47.5059, 11.5718**, and **11.8221, 8.5717, 1.0314** is the 20% darker color. If you saturate the color by 10%, you get **28.2458, 22.6979, 2.8924**, and if you desaturate by 10%, it is **29.4663, 24.9131, 3.9949**.

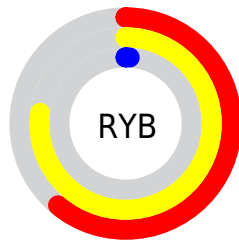
Distribution



Red (77%)

Green (43%)

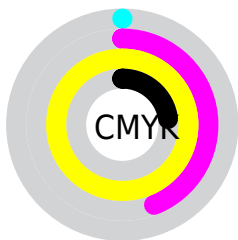
Blue (1%)



Red (61%)

Yellow (77%)

Blue (1%)

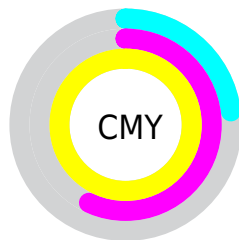


Cyan (0%)

Magenta (44%)

Yellow (99%)

Black (23%)



Cyan (23%)


Magenta (57%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3518, 22.8920, 2.9817 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 28.3518, 22.8920, 2.9817 by changing the saturation by 10% instead.


 28.3518, 22.8920,
2.9817

 28.3518, 22.8920,
2.9817


286.1938,
267.1698, 136.1272


 18.7328, 14.5138,
1.0853


 56.4503, 48.2159,
11.5832

 11.5802, 8.4789,
0.0000


 75.6606, 65.9304,
19.1255


 6.5287, 4.4029,
0.0000


 98.7987, 87.5258,
29.3867

 3.2128, 1.9014,
0.0000

 126.2300,
113.3865, 42.7855

 1.2673, 0.5492,
0.0000

 158.3198,
143.8968, 59.7404


 0.1585, 0.0000,
0.0000


 195.4334,


 0.0000, 0.0000,


179.4412, 80.6700


0.0000


 237.9363,
220.4041, 105.9927


 28.3518, 22.8920,
2.9817


 28.3518, 22.8920,
2.9817


 28.2458, 22.6979,
2.8924

 29.4663, 24.9131,
3.9949

 30.8074, 27.1749,
5.7383

 32.4159, 29.6987,
8.4114

 34.3163, 32.4981,
12.1323

 36.5298, 35.5850,
17.0012

■ 39.0752, 38.9705,
23.1066

■ 41.9696, 42.6650,
30.5279

■ 45.2287, 46.6779,
39.3382

■ 48.8673, 51.0183,
49.6050

Harmonies

Analogous

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



35.8713, 22.8920, 7.6997



28.3518, 22.8920, 2.9817



20.3804, 22.8920, 2.2022

Triad

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



28.3518, 22.8920, 2.9817



10.2522, 22.8920, 29.1790



31.3617, 22.8920, 76.5163

Complementary

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



28.3518, 22.8920, 2.9817



13.4784, 10.9777, 53.6325

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.



23.1967, 22.8920, 93.6511



28.3518, 22.8920, 2.9817



11.9380, 22.8920, 57.8514

Square

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



28.3518, 22.8920, 2.9817



11.0191, 22.8920, 11.3523



16.2753, 22.8920, 85.3531



37.8722, 22.8920, 46.4520

Rectangle

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



28.3518, 22.8920, 2.9817



16.0664, 22.8920, 3.0650



16.2753, 22.8920, 85.3531



28.6566, 22.8920, 84.5829

Sweetspot

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



28.3523, 22.8932, 2.9821



75.2062, 76.2545, 53.1380



24.6024, 12.5056, 10.6351



15.6086, 15.7011, 10.1110



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.



28.3523, 22.8932, 2.9821



50.9076, 40.5953, 5.1525



40.0733, 49.9605, 7.5889



10.5277, 10.9869, 10.6277



18.2364, 14.7585, 1.8875



0.8558, 0.7733, 0.1042

Inverse Universe

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



13.4784, 10.9777, 53.6325



23.9591, 19.0383, 97.0197



10.1330, 4.1051, 52.4823



9.8876, 10.4664, 12.7839



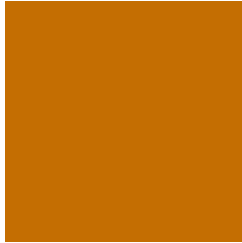
8.6690, 7.0945, 34.4691



0.4432, 0.4437, 1.5122

Previews

White Background



This preview shows how the XYZ color 28.3518, 22.8920, 2.9817 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 28.3518, 22.8920, 2.9817 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 28.3518, 22.8920, 2.9817

Background



This preview shows how black text looks on a background with the XYZ color 28.3518, 22.8920, 2.9817.



This preview shows how white text looks on a background with the XYZ color 28.3518, 22.8920,

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

28.3518, 22.8920, 2.9817

Protanopia

20.7392, 22.9295, 3.8230

Deuteranopia

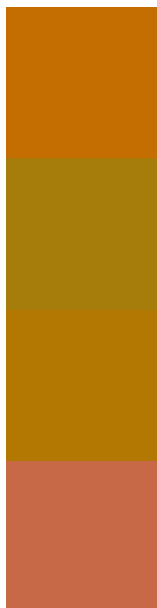
23.2700, 22.8827, 3.1903



Tritanopia

31.3853, 22.9079, 17.5193

Trichromacy



Original Color

28.3518, 22.8920, 2.9817

Protanomaly

22.9939, 22.5465, 3.4566

Deuteranomaly

25.0820, 22.9001, 3.1269

Tritanomaly

29.7421, 22.7002, 8.7752

Monochromacy



Original Color

28.3518, 22.8920, 2.9817

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.4674, 20.0054, 10.1798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3518, 22.8920, 2.9817 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(196, 110, 2)` looks like.

```
.text, #text, p{  
    color:rgb(196, 110, 2)  
}
```

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(196, 110, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 110, 2) }
```

Border

The CSS property to change the border of an element to XYZ 28.3518, 22.8920, 2.9817 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(196, 110, 2) }
```


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

```
.border{ border-color:rgb(196, 110, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 110, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 110, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 110, 2);  
box-shadow:4px 4px 4px 4px rgb(196, 110,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3518, 22.8920, 2.9817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 110, 2) }
```

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

```
.background{ background-color: rgb(196,  
110, 2) }
```

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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