

Converting Colors

XYZ(28.2596, 22.5897, 2.8708)

Have a look what the booklet for
XYZ(28.2596, 22.5897, 2.8708)
contains.

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Color

**XYZ(28.1275, 22.4609,
2.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	C46C00
RGB	196, 108, 0
RGB Percent	77%, 42%, 0%
CMY	0.2314, 0.5764, 1.0000
CMYK	0.00, 0.45, 1.00, 0.23
HSL	33°, 100%, 38%
HSV	33°, 100%, 77%
XYZ	28.1275, 22.4609, 2.8529
YIQ	122.0000, 87.1160, -14.9320

Conversions

Conversions Part 2

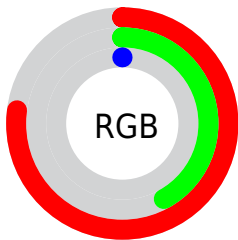
Format	Color
RYB	160, 196, 0
Decimal	12872704
CIELab	54.51, 29.26, 62.17
CIElCh	55, 68.714, 64.794
Yxy	22.4609, 0.5263, 0.4203
Android (android.graphics.Color)	4291062784 (0xFFC46C00)
YUV	122.0000, -60.1460, 64.8980
Hunter-Lab	47.3929, 23.0013, 29.6060

Details

The XYZ color **28.1275, 22.4609, 2.8529** 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 **13.4535, 10.9649, 53.6314**, and the grayscale version is **18.6700, 19.6422, 21.3904**.

A 20% lighter version of the original color is **54.7649, 46.7833, 11.1447**, and **11.7173, 8.3622, 0.9965** is the 20% darker color. If you saturate the color by 10%, you get **28.1277, 22.4615, 2.8530**, and if you desaturate by 10%, it is **29.2262, 24.4621, 3.8249**.

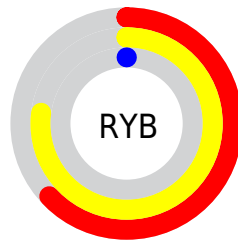
Distribution



Red (77%)

Green (42%)

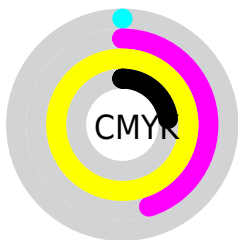
Blue (0%)



Red (63%)

Yellow (77%)

Blue (0%)

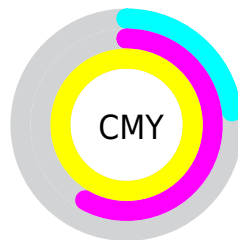


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1275, 22.4609, 2.8529 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 28.1275, 22.4609, 2.8529 by changing the saturation by 10% instead.


 28.1275, 22.4609,
2.8529


 28.1275, 22.4609,
2.8529


285.1447,
264.9438, 134.4645


 18.5627, 14.1960,
1.0200


 56.0952, 47.5066,
11.2633


 11.4569, 8.2571,
0.0000


 75.2288, 65.0561,
18.6778


 6.4446, 4.2599,
0.0000


 98.2827, 86.4693,
28.7900

 3.1605, 1.8200,
0.0000

 125.6223,
112.1305, 42.0184

 1.2392, 0.4996,
0.0000

 157.6130,
142.4242, 58.7815

 0.1370, 0.0000,
0.0000


 194.6200,


 0.0000, 0.0000,


177.7347, 79.4978


0.0000


 237.0088,
218.4465, 104.5860


 28.1275, 22.4609,
2.8529


 28.1275, 22.4609,
2.8529


 28.1277, 22.4615,
2.8530

 29.2262, 24.4621,
3.8249

 30.5449, 26.7045,
5.4820

 32.1303, 29.2118,
8.0563

 34.0077, 31.9980,
11.6681

 36.1985, 35.0754,
16.4191

■ 38.7220, 38.4555,
22.3988

■ 41.5953, 42.1486,
29.6876

■ 44.8346, 46.1647,
38.3590

■ 48.4547, 50.5129,
48.4812

Harmonies

Analogous

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



35.5832, 22.4609, 7.6046



28.1275, 22.4609, 2.8529



20.1610, 22.4609, 2.0378

Triad

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



28.1275, 22.4609, 2.8529



9.9262, 22.4609, 28.0882



30.7226, 22.4609, 76.7611

Complementary

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



28.1275, 22.4609, 2.8529



13.4535, 10.9649, 53.6314

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.



22.5816, 22.4609, 93.4224



28.1275, 22.4609, 2.8529



11.5288, 22.4609, 56.5712

Square

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



28.1275, 22.4609, 2.8529



10.7448, 22.4609, 10.7059



15.7567, 22.4609, 84.4331



37.3117, 22.4609, 46.7079

Rectangle

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



28.1275, 22.4609, 2.8529



15.8338, 22.4609, 2.8230



15.7567, 22.4609, 84.4331



28.0144, 22.4609, 84.7210

Sweetspot

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



28.1280, 22.4621, 2.8533



75.0915, 76.0251, 53.0997



24.5347, 12.4437, 10.3855



15.5814, 15.6467, 10.1020



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.



28.1280, 22.4621, 2.8533



50.6935, 40.1671, 5.0812



40.0380, 49.9436, 7.5300



10.5229, 10.9773, 10.6261



18.1604, 14.6066, 1.8622



0.8527, 0.7671, 0.1031

Inverse Universe

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



13.4535, 10.9649, 53.6314



24.1221, 19.3643, 97.0740



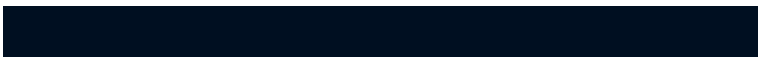
10.0865, 4.0489, 52.4740



9.8923, 10.4759, 12.7855



8.7277, 7.2118, 34.4886



0.4458, 0.4490, 1.5131

Previews

White Background



This preview shows how the XYZ color 28.1275, 22.4609, 2.8529 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 28.1275, 22.4609, 2.8529 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 28.1275, 22.4609, 2.8529

Background



This preview shows how black text looks on a background with the XYZ color 28.1275, 22.4609, 2.8529.



This preview shows how white text looks on a background with the XYZ color 28.1275, 22.4609,

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

28.1275, 22.4609, 2.8529

Protanopia

20.4226, 22.5659, 3.7695

Deuteranopia

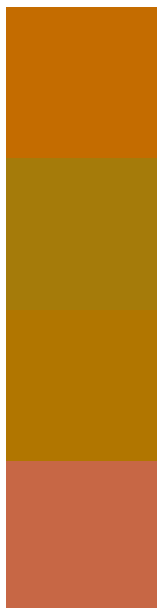
22.9335, 22.5223, 3.1385



Tritanopia

31.0834, 22.4764, 16.8875

Trichromacy



Original Color

28.1275, 22.4609, 2.8529

Protanomaly

22.6548, 22.1872, 3.3757

Deuteranomaly

24.6099, 22.3040, 3.0080

Tritanomaly

29.4776, 22.2723, 8.3756

Monochromacy



Original Color

28.1275, 22.4609, 2.8529

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.1309, 19.6622, 9.9419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1275, 22.4609, 2.8529 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, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 108, 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(196, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.1275, 22.4609, 2.8529 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, 108, 0) }
```


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

```
.border{ border-color:rgb(196, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1275, 22.4609, 2.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 108, 0) }
```

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

```
.background{ background-color: rgb(196,  
108, 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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