

Converting Colors

XYZ(28.2432, 22.4134, 1.0406)

Have a look what the booklet for
XYZ(28.2432, 22.4134, 1.0406)
contains.

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Color

**XYZ(28.5464, 22.5212,
2.8425)**

Conversions

Conversions Part 1

Format	Color
Hex	C66B00
RGB	198, 107, 0
RGB Percent	78%, 42%, 0%
CMY	0.2235, 0.5804, 1.0000
CMYK	0.00, 0.46, 1.00, 0.22
HSL	32°, 100%, 39%
HSV	32°, 100%, 78%
XYZ	28.5464, 22.5212, 2.8425
YIQ	122.0110, 88.5830, -13.9850

Conversions

Conversions Part 2

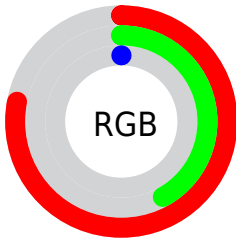
Format	Color
RYB	168, 198, 0
Decimal	13003520
CIELab	54.58, 30.64, 62.35
CIElCh	55, 69.472, 63.832
Yxy	22.5212, 0.5295, 0.4178
Android (android.graphics.Color)	4291193600 (0xFFC66B00)
YUV	122.0110, -60.1514, 66.6424
Hunter-Lab	47.4565, 24.3238, 29.6683

Details

The XYZ color **28.5464, 22.5212, 2.8425** 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 **13.9342, 11.5594, 54.9224**, and the grayscale version is **18.6733, 19.6458, 21.3943**.

A 20% lighter version of the original color is **54.5923, 46.4379, 11.0871**, and **11.8296, 8.3445, 0.9872** is the 20% darker color. If you saturate the color by 10%, you get **28.5465, 22.5217, 2.8426**, and if you desaturate by 10%, it is **29.6707, 24.5707, 3.8317**.

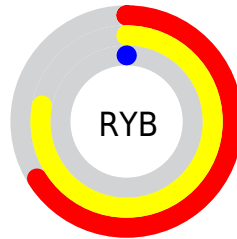
Distribution



Red (78%)

Green (42%)

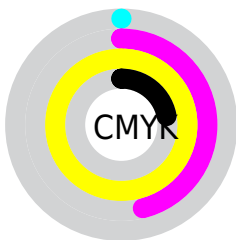
Blue (0%)



Red (66%)

Yellow (78%)

Blue (0%)

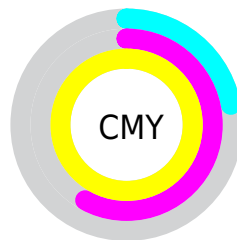


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5464, 22.5212, 2.8425 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 28.5464, 22.5212, 2.8425 by changing the saturation by 10% instead.

 28.5464, 22.5212,
2.8425


 28.5464, 22.5212,
2.8425


287.1017,
265.2562, 134.3287


 18.8805, 14.2404,
1.0148


 56.7582, 47.6059,
11.2373


 11.6875, 8.2880,
0.0000


 76.0348, 65.1786,
18.6414


 6.6019, 4.2798,
0.0000


 99.2457, 86.6174,
28.7414

 3.2585, 1.8313,
0.0000

 126.7562,
112.3066, 41.9558

 1.2919, 0.5066,
0.0000

 158.9317,
142.6307, 58.7032


 0.1771, 0.0000,
0.0000


 196.1375,


 0.0000, 0.0000,


177.9741, 79.4022


0.0000


 238.7391,
218.7211, 104.4711


 28.5464, 22.5212,
2.8425

 28.5464, 22.5212,
2.8425


 28.5465, 22.5217,
2.8426

 29.6707, 24.5707,
3.8317

 31.0245, 26.8756,
5.5250

 32.6559, 29.4604,
8.1586

 34.5907, 32.3399,
11.8559

 36.8513, 35.5273,
16.7214

■ 39.4574, 39.0344,
22.8469

■ 42.4270, 42.8723,
30.3149

■ 45.7767, 47.0515,
39.2009

■ 49.5219, 51.5818,
49.5747

Harmonies

Analogous

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



36.0450, 22.5212, 7.7829



28.5464, 22.5212, 2.8425



20.4404, 22.5212, 1.9543

Triad

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



28.5464, 22.5212, 2.8425



9.8540, 22.5212, 27.4375



30.6531, 22.5212, 78.5725

Complementary

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



28.5464, 22.5212, 2.8425



13.9342, 11.5594, 54.9224

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.



22.4010, 22.5212, 94.8341



28.5464, 22.5212, 2.8425



11.3884, 22.5212, 56.1273

Square

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



28.5464, 22.5212, 2.8425



10.7569, 22.5212, 10.2716



15.5678, 22.5212, 84.8331



37.4502, 22.5212, 48.0990

Rectangle

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



28.5464, 22.5212, 2.8425



16.0100, 22.5212, 2.6740



15.5678, 22.5212, 84.8331



27.8951, 22.5212, 86.4986

Sweetspot

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



28.5469, 22.5224, 2.8429



74.8780, 75.5981, 53.0286



25.2380, 12.7856, 11.3557



15.5308, 15.5455, 10.0851



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.



28.5469, 22.5224, 2.8429



50.3009, 39.3818, 4.9503



41.7804, 51.5160, 7.7417



11.1007, 11.5706, 11.2110



18.6511, 14.8195, 1.8774



0.9550, 0.8454, 0.1128

Inverse Universe

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



13.9342, 11.5594, 54.9224



24.4337, 19.9875, 97.1779



10.2757, 4.1200, 53.6792



10.4516, 11.0772, 13.5048



9.1451, 7.6841, 35.7455



0.5052, 0.5083, 1.7166

Previews

White Background



This preview shows how the XYZ color 28.5464, 22.5212, 2.8425 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 28.5464, 22.5212, 2.8425 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 28.5464, 22.5212, 2.8425

Background



This preview shows how black text looks on a background with the XYZ color 28.5464, 22.5212, 2.8425.



This preview shows how white text looks on a background with the XYZ color 28.5464, 22.5212,

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

28.5464, 22.5212, 2.8425

Protanopia

20.5575, 22.8358, 3.8145

Deuteranopia

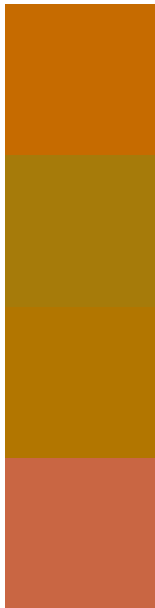
22.9335, 22.5223, 3.1385



Tritanopia

31.4205, 22.5208, 16.3266

Trichromacy



Original Color

28.5464, 22.5212, 2.8425

Protanomaly

22.8636, 22.2948, 3.3854

Deuteranomaly

24.8385, 22.4218, 3.0187

Tritanomaly

29.8519, 22.3255, 8.0461

Monochromacy



Original Color

28.5464, 22.5212, 2.8425

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.3141, 19.7567, 9.9505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5464, 22.5212, 2.8425 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(198, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 107, 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(198, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.5464, 22.5212, 2.8425 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(198, 107, 0) }
```


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

```
.border{ border-color:rgb(198, 107, 0) }
```

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

Here you see how a box with a 4 pixel rgb(198, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5464, 22.5212, 2.8425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 107, 0) }
```

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

```
.background{ background-color: rgb(198,  
107, 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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