

Converting Colors

XYZ(28.6692, 25.3450, 3.3820)

Have a look what the booklet for
XYZ(28.6692, 25.3450, 3.3820)
contains.

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Color

**XYZ(28.5688, 25.2423,
3.3665)**

Conversions

Conversions Part 1

Format	Color
Hex	BF7B00
RGB	191, 123, 0
RGB Percent	75%, 48%, 0%
CMY	0.2510, 0.5176, 1.0000
CMYK	0.00, 0.36, 1.00, 0.25
HSL	39°, 100%, 37%
HSV	39°, 100%, 75%
XYZ	28.5688, 25.2423, 3.3665
YIQ	129.3100, 80.0110, -23.8370

Conversions

Conversions Part 2

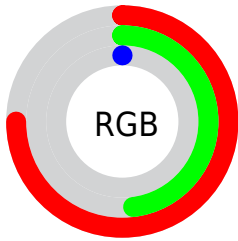
Format	Color
R_{YB}	106, 191, 0
Decimal	12548864
CIE _{Lab}	57.31, 18.94, 63.63
CIE _{LCh}	57, 66.383, 73.426
Yxy	25.2423, 0.4997, 0.4415
Android (android.graphics.Color)	4290738944 (0xFFBF7B00)
YUV	129.3100, -63.7498, 54.1021
Hunter-Lab	50.2417, 13.5769, 31.1964

Details

The XYZ color **28.5688, 25.2423, 3.3665** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.4712, 7.8960, 50.2092**, and the grayscale version is **21.1733, 22.2760, 24.2585**.

A 20% lighter version of the original color is **56.8814, 51.9599, 12.5001**, and **11.9645, 9.8031, 1.2616** is the 20% darker color. If you saturate the color by 10%, you get **28.5690, 25.2429, 3.3666**, and if you desaturate by 10%, it is **29.5609, 27.0372, 4.2816**.

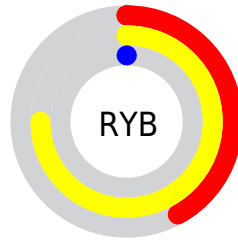
Distribution



Red (75%)

Green (48%)

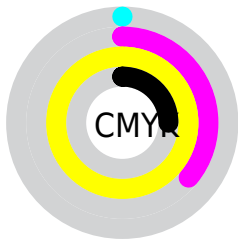
Blue (0%)



Red (42%)

Yellow (75%)

Blue (0%)

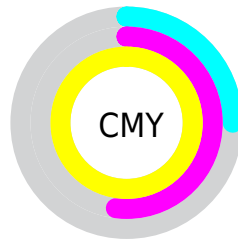


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5688, 25.2423, 3.3665 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 28.5688, 25.2423, 3.3665 by changing the saturation by 10% instead.


 28.5688, 25.2423,
3.3665


 28.5688, 25.2423,
3.3665


287.2060,
279.0425, 140.8998


 18.8975, 16.2577,
1.2847


 56.7936, 52.0500,
12.5202

 11.6998, 9.7067,
0.0492


 76.0778, 70.6419,
20.4291

 6.6104, 5.2049,
0.0000


 99.2971, 93.2050,
31.1174

 3.2638, 2.3680,
0.0000

 126.8167,
120.1237, 45.0038

 1.2947, 0.8093,
0.0000

 159.0020,
151.7824, 62.5066


 0.1793, 0.0000,
0.0000


 196.2185,


 0.0000, 0.0000,


188.5655, 84.0446


0.0000


 238.8313,
230.8574, 110.0361


 28.5688, 25.2423,
3.3665


 28.5688, 25.2423,
3.3665


 28.5690, 25.2429,
3.3666

 29.5609, 27.0372,
4.2816

 30.7285, 28.9968,
5.8287

 32.1152, 31.1414,
8.2295

 33.7433, 33.4817,
11.5962

 35.6320, 36.0270,
16.0237

■ 37.7979, 38.7857,
21.5957

■ 40.2564, 41.7654,
28.3872

■ 43.0213, 44.9734,
36.4669

■ 46.1057, 48.4164,
45.8983

Harmonies

Analogous

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



36.7342, 25.2423, 7.1702



28.5688, 25.2423, 3.3665



20.6496, 25.2423, 3.2169

Triad

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



28.5688, 25.2423, 3.3665



12.0853, 25.2423, 38.8155



35.9595, 25.2423, 72.4557

Complementary

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



28.5688, 25.2423, 3.3665



11.4712, 7.8960, 50.2092

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.



27.6770, 25.2423, 94.7860



28.5688, 25.2423, 3.3665



14.6008, 25.2423, 69.2932

Square

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



28.5688, 25.2423, 3.3665



12.2219, 25.2423, 16.8902



19.9322, 25.2423, 93.3877



41.5983, 25.2423, 41.7800

Rectangle

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



28.5688, 25.2423, 3.3665



16.5894, 25.2423, 4.8702



19.9322, 25.2423, 93.3877



33.3225, 25.2423, 81.7823

Sweetspot

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



28.5694, 25.2436, 3.3670



71.8769, 74.5380, 50.2077



22.5924, 11.5191, 6.8333



15.3588, 15.8586, 9.8347



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5694, 25.2436, 3.3670



50.9298, 44.7349, 5.9504



34.2590, 45.3179, 6.9418



10.0287, 10.5334, 10.0812



18.8535, 16.7458, 2.2386



0.7981, 0.7751, 0.1076

Inverse Universe

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



11.4712, 7.8960, 50.2092



20.3370, 13.7259, 89.8566



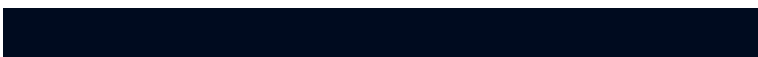
9.8166, 3.9745, 49.5395



9.2870, 9.7663, 12.0678



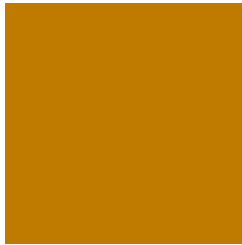
7.6082, 5.3280, 33.0203



0.3605, 0.3337, 1.3143

Previews

White Background



This preview shows how the XYZ color 28.5688, 25.2423, 3.3665 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 28.5688, 25.2423, 3.3665 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 28.5688, 25.2423, 3.3665

Background



This preview shows how black text looks on a background with the XYZ color 28.5688, 25.2423, 3.3665.



This preview shows how white text looks on a background with the XYZ color 28.5688, 25.2423,

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

28.5688, 25.2423, 3.3665

Protanopia

22.8714, 25.2739, 4.0537

Deuteranopia

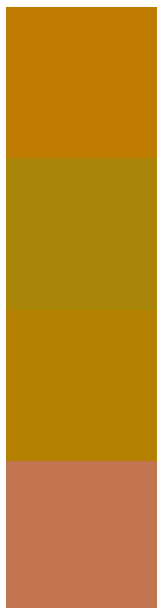
25.7955, 25.3466, 3.5328



Tritanopia

32.3574, 25.2005, 21.8976

Trichromacy



Original Color

28.5688, 25.2423, 3.3665

Protanomaly

24.7935, 25.2276, 3.7924

Deuteranomaly

26.7752, 25.2621, 3.4649

Tritanomaly

29.9846, 24.7420, 10.4030

Monochromacy



Original Color

28.5688, 25.2423, 3.3665

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.0613, 22.4633, 11.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5688, 25.2423, 3.3665 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(191, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 123, 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(191, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.5688, 25.2423, 3.3665 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(191, 123, 0) }
```


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

```
.border{ border-color:rgb(191, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5688, 25.2423, 3.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 123, 0) }
```

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

```
.background{ background-color: rgb(191,  
123, 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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