

Converting Colors

XYZ(33.3823, 28.6029, 8.6421)

Have a look what the booklet for
XYZ(33.3823, 28.6029, 8.6421)
contains.

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Color

**XYZ(33.2732, 28.5050,
8.5988)**

Conversions

Conversions Part 1

Format	Color
Hex	CB8040
RGB	203, 128, 64
RGB Percent	80%, 50%, 25%
CMY	0.2039, 0.4980, 0.7490
CMYK	0.00, 0.37, 0.68, 0.20
HSL	28°, 57%, 52%
HSV	28°, 68%, 80%
XYZ	33.2732, 28.5050, 8.5988
YIQ	143.1290, 65.2440, -4.0040

Conversions

Conversions Part 2

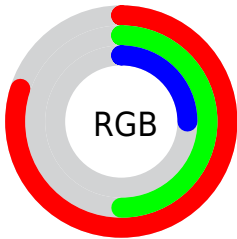
Format	Color
R _Y B	203, 183, 64
Decimal	13336640
CIE Lab	60.34, 23.33, 45.82
CIE LCh	60, 51.414, 63.018
Yxy	28.5050, 0.4728, 0.4050
Android (android.graphics.Color)	4291526720 (0xFFCB8040)
YUV	143.1290, -39.0106, 52.5069
Hunter-Lab	53.3901, 17.8103, 27.8240

Details

The XYZ color **33.2732, 28.5050, 8.5988** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **22.1259, 23.8658, 59.9400**, and the grayscale version is **26.2934, 27.6627, 30.1247**.

A 20% lighter version of the original color is **60.8011, 55.5227, 23.4320**, and **14.2986, 11.4071, 1.8289** is the 20% darker color. If you saturate the color by 10%, you get **31.4450, 25.6110, 5.6397**, and if you desaturate by 10%, it is **35.4671, 31.7944, 12.7172**.

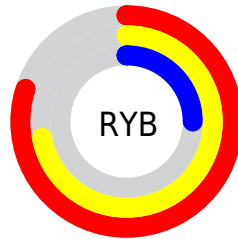
Distribution



Red (80%)

Green (50%)

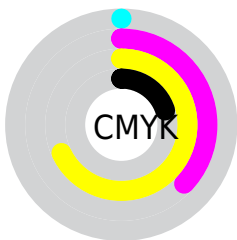
Blue (25%)



Red (80%)

Yellow (72%)

Blue (25%)

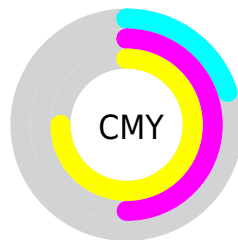


Cyan (0%)

Magenta (37%)

Yellow (68%)

Black (20%)



Cyan (20%)


Magenta (50%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2732, 28.5050, 8.5988 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 33.2732, 28.5050, 8.5988 by changing the saturation by 10% instead.


 33.2732, 28.5050,
8.5988


 33.2732, 28.5050,
8.5988


308.5223,
294.8722, 190.4626

 22.4961, 18.7067,
4.3872


 64.1537, 57.2897,
23.6895

 14.3405, 11.4585,
1.8401


 84.9877, 77.0449,
35.4057

 8.4411, 6.3761,
0.4542


 109.9047,
100.8878, 50.4605

 4.4327, 3.0751,
0.0000

 139.2701,
129.2028, 69.2724

 1.9497, 1.1711,
0.0000

 173.4492,
162.3744, 92.2601

 0.6055, 0.0379,
0.0000

212.8073,

 0.0000, 0.0000,

200.7869, 119.8420

0.0000

257.7099,
244.8247, 152.4366

■ 33.2732, 28.5050,
8.5988

■ 33.2732, 28.5050,
8.5988

■ 31.4450, 25.6110,
5.6397

■ 35.4671, 31.7944,
12.7172

■ 29.9516, 23.0888,
3.7098

■ 38.0500, 35.4924,
18.1028

■ 28.7510, 20.9144,
2.6106

■ 41.0448, 39.6165,
24.8526

■ 28.5846, 20.6087,
2.4713

■ 44.4723, 44.1819,
33.0537

■ 48.3515, 49.2028,
42.7858

■ 52.7000, 54.6925,
54.1230

■ 57.5346, 60.6640,
67.1341

■ 62.8712, 67.1296,
81.8843

■ 68.7248, 74.1011,
98.4350

Harmonies

Analogous

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



39.1977, 28.5050, 15.1378



33.2732, 28.5050, 8.5988



26.4301, 28.5050, 7.0424

Triad

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



33.2732, 28.5050, 8.5988



16.2871, 28.5050, 32.9915



34.6190, 28.5050, 72.6128

Complementary

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



33.2732, 28.5050, 8.5988



22.1259, 23.8658, 59.9400

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.



27.7672, 28.5050, 83.3665



33.2732, 28.5050, 8.5988



17.7788, 28.5050, 55.3728

Square

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



33.2732, 28.5050, 8.5988



17.2787, 28.5050, 17.2871



21.7300, 28.5050, 76.0398



40.0592, 28.5050, 50.6362

Rectangle

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



33.2732, 28.5050, 8.5988



22.4246, 28.5050, 8.1548



21.7300, 28.5050, 76.0398



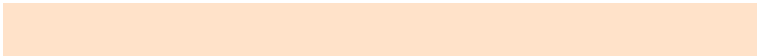
32.3684, 28.5050, 77.9886

Sweetspot

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



33.2739, 28.5065, 8.5993



79.0614, 79.9497, 66.8012



31.2289, 18.2702, 26.8660



16.5298, 16.6054, 13.3100



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.



33.2739, 28.5065, 8.5993



51.4315, 40.8572, 7.7499



45.3051, 52.5689, 12.6097



11.6309, 12.0507, 11.7924



18.2802, 13.2934, 1.6024



1.0187, 0.8370, 0.1079

Inverse Universe

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



22.1259, 23.8658, 59.9400



31.5216, 32.4973, 99.2190



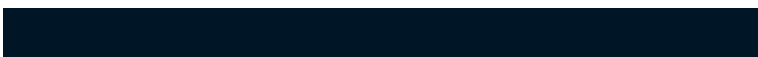
15.1441, 9.9022, 57.6128



11.0947, 11.8299, 14.2690



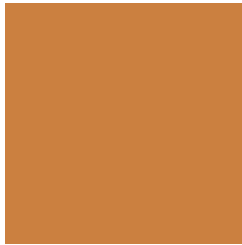
10.4681, 9.9601, 37.3270



0.6154, 0.6647, 1.9508

Previews

White Background



This preview shows how the XYZ color 33.2732, 28.5050, 8.5988 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 33.2732, 28.5050, 8.5988 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 33.2732, 28.5050, 8.5988

Background



This preview shows how black text looks on a background with the XYZ color 33.2732, 28.5050, 8.5988.



This preview shows how white text looks on a background with the XYZ color 33.2732, 28.5050,

8.5988.

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

33.2732, 28.5050, 8.5988

Protanopia

26.2847, 28.6813, 9.9451

Deuteranopia

29.1310, 28.6259, 8.4049



Tritanopia

36.5988, 28.5518, 24.7012

Trichromacy



Original Color

33.2732, 28.5050, 8.5988

Protanomaly

28.4075, 28.2297, 9.4205

Deuteranomaly

30.5197, 28.4946, 8.4489

Tritanomaly

35.2628, 28.5777, 17.2932

Monochromacy



Original Color

33.2732, 28.5050, 8.5988

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.6428, 27.3912, 19.7497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2732, 28.5050, 8.5988 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(203, 128, 64)` looks like.

```
.text, #text, p{  
    color:rgb(203, 128, 64)  
}
```

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(203, 128, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 128, 64) }
```

Border

The CSS property to change the border of an element to XYZ 33.2732, 28.5050, 8.5988 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(203, 128, 64) }
```


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

```
.border{ border-color:rgb(203, 128, 64) }
```

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

Here you see how a box with a 4 pixel rgb(203, 128, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 128, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 128, 64);  
box-shadow:4px 4px 4px 4px rgb(203, 128,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2732, 28.5050, 8.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 128, 64) }
```

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

```
.background{ background-color: rgb(203,  
128, 64) }
```

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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