

Converting Colors

XYZ(30.7796, 28.1957, 8.9574)

Have a look what the booklet for
XYZ(30.7796, 28.1957, 8.9574)
contains.

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Color

**XYZ(30.8568, 28.2448,
8.9797)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8542
RGB	191, 133, 66
RGB Percent	75%, 52%, 26%
CMY	0.2510, 0.4784, 0.7412
CMYK	0.00, 0.30, 0.65, 0.25
HSL	32°, 49%, 50%
HSV	32°, 65%, 75%
XYZ	30.8568, 28.2448, 8.9797
YIQ	142.7040, 56.0750, -8.5410

Conversions

Conversions Part 2

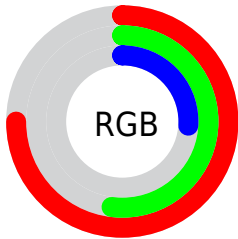
Format	Color
RYB	174, 191, 66
Decimal	12551490
CIELab	60.11, 15.59, 44.17
CIELCh	60, 46.836, 70.563
Yxy	28.2448, 0.4532, 0.4149
Android (android.graphics.Color)	4290741570 (0xFFBF8542)
YUV	142.7040, -37.8151, 42.3556
Hunter-Lab	53.1458, 10.6330, 27.1842

Details

The XYZ color **30.8568, 28.2448, 8.9797** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.8580, 19.3342, 52.0280**, and the grayscale version is **26.1213, 27.4817, 29.9276**.

A 20% lighter version of the original color is **60.4950, 56.8880, 24.3150**, and **13.0183, 11.2923, 1.9837** is the 20% darker color. If you saturate the color by 10%, you get **29.2226, 25.7321, 6.1056**, and if you desaturate by 10%, it is **32.7827, 31.0403, 12.8791**.

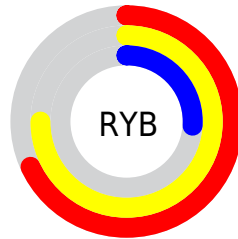
Distribution



Red (75%)

Green (52%)

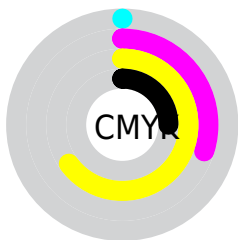
Blue (26%)



Red (68%)

Yellow (75%)

Blue (26%)

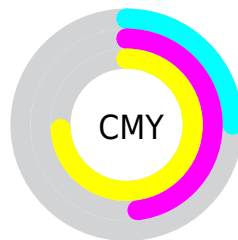


Cyan (0%)

Magenta (30%)

Yellow (65%)

Black (25%)



Cyan (25%)


Magenta (48%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8568, 28.2448, 8.9797 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 30.8568, 28.2448, 8.9797 by changing the saturation by 10% instead.


 30.8568, 28.2448,
8.9797

 30.8568, 28.2448,
8.9797


297.7167,
293.6348, 193.4389


 20.6411, 18.5103,
4.6313


 60.3919, 56.8750,
24.4349

 12.9729, 11.3170,
1.9777


 80.4421, 76.5395,
36.3789


 7.4868, 6.2804,
0.5415


 104.5011,
100.2828, 51.6917

 3.8173, 3.0164,
0.0000

 132.9344,
128.4893, 70.7921

 1.5993, 1.1403,
0.0000

 166.1072,
161.5433, 94.0984

 0.3920, 0.0121,
0.0000

204.3850,

 0.0000, 0.0000,

199.8293, 122.0293

0.0000

248.1330,
243.7317, 155.0033

■ 30.8568, 28.2448,
8.9797

■ 30.8568, 28.2448,
8.9797

■ 29.2226, 25.7321,
6.1056

■ 32.7827, 31.0403,
12.8791

■ 27.8560, 23.4851,
4.1511

■ 35.0177, 34.1259,
17.8918

■ 26.7309, 21.4903,
2.9891

■ 37.5798, 37.5138,
24.0983

■ 26.2749, 20.6545,
2.6019

■ 40.4847, 41.2139,
31.5709

■ 43.7473, 45.2356,
40.3762

■ 47.3813, 49.5879,
50.5762

■ 51.3997, 54.2793,
62.2288

■ 55.8146, 59.3180,
75.3887

■ 60.6380, 64.7116,
90.1077

Harmonies

Analogous

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



36.5627, 28.2448, 13.9255



30.8568, 28.2448, 8.9797



24.7927, 28.2448, 8.4117

Triad

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



30.8568, 28.2448, 8.9797



17.0546, 28.2448, 37.1940



35.0386, 28.2448, 63.1671

Complementary

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



30.8568, 28.2448, 8.9797



18.8580, 19.3342, 52.0280

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.



29.0093, 28.2448, 75.8130



30.8568, 28.2448, 8.9797



19.0238, 28.2448, 57.5225

Square

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



30.8568, 28.2448, 8.9797



17.3972, 28.2448, 21.0456



23.1984, 28.2448, 73.4319



39.2141, 28.2448, 43.0651

Rectangle

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



30.8568, 28.2448, 8.9797



21.4133, 28.2448, 10.2204



23.1984, 28.2448, 73.4319



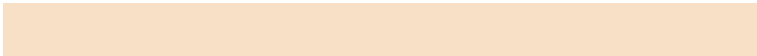
33.1272, 28.2448, 68.7164

Sweetspot

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



30.8575, 28.2462, 8.9802



75.4232, 77.4349, 64.3247



27.0934, 16.4367, 20.9244



16.2024, 16.5586, 13.1596



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.



30.8575, 28.2462, 8.9802



51.1042, 44.0940, 9.0596



40.0669, 48.1986, 12.3460



9.9422, 10.3604, 10.0524



17.3489, 13.7366, 1.7370



0.7444, 0.6678, 0.0897

Inverse Universe

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



18.8580, 19.3342, 52.0280



28.0191, 26.9921, 92.0124



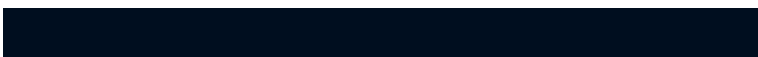
13.8902, 8.9666, 50.2887



9.3715, 9.9353, 12.0960



8.5859, 7.2836, 33.3462



0.4018, 0.4162, 1.3280

Previews

White Background



This preview shows how the XYZ color 30.8568, 28.2448, 8.9797 looks on a white background.

Color Contrast Check

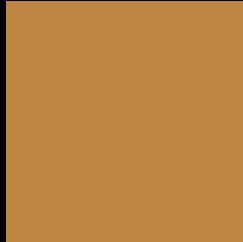
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8568, 28.2448, 8.9797 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 30.8568, 28.2448, 8.9797

Background



This preview shows how black text looks on a background with the XYZ color 30.8568, 28.2448, 8.9797.



This preview shows how white text looks on a background with the XYZ color 30.8568, 28.2448,

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

30.8568, 28.2448, 8.9797

Protanopia

25.9288, 28.2701, 9.8844

Deuteranopia

28.8650, 28.2619, 8.9348



Tritanopia

34.4717, 28.1523, 26.5387

Trichromacy



Original Color

30.8568, 28.2448, 8.9797

Protanomaly

27.6123, 28.2501, 9.6277

Deuteranomaly

29.5255, 28.1803, 8.8842

Tritanomaly

32.7818, 28.0335, 18.4351

Monochromacy



Original Color

30.8568, 28.2448, 8.9797

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.8243, 27.1766, 20.0515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8568, 28.2448, 8.9797 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, 133, 66)` looks like.

```
.text, #text, p{  
    color:rgb(191, 133, 66)  
}
```

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, 133, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 133, 66) }
```

Border

The CSS property to change the border of an element to XYZ 30.8568, 28.2448, 8.9797 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, 133, 66) }
```


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

```
.border{ border-color:rgb(191, 133, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 133, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 133, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 133, 66);  
box-shadow:4px 4px 4px 4px rgb(191, 133,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8568, 28.2448, 8.9797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 133, 66) }
```

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

```
.background{ background-color: rgb(191,  
133, 66) }
```

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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