

Converting Colors

XYZ(33.8851, 31.2428, 20.8111)

Have a look what the booklet for
XYZ(33.8851, 31.2428, 20.8111)
contains.

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Color

**XYZ(33.9125, 31.2579,
20.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	BE8D74
RGB	190, 141, 116
RGB Percent	75%, 55%, 45%
CMY	0.2549, 0.4470, 0.5451
CMYK	0.00, 0.26, 0.39, 0.25
HSL	20°, 36%, 60%
HSV	20°, 39%, 75%
XYZ	33.9125, 31.2579, 20.7690
YIQ	152.8010, 37.2290, 2.6130

Conversions

Conversions Part 2

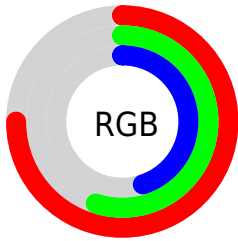
Format	Color
RYB	190, 154, 116
Decimal	12488052
CIELab	62.72, 15.30, 20.60
CIElCh	63, 25.664, 53.402
Yxy	31.2579, 0.3946, 0.3637
Android (android.graphics.Color)	4290678132 (0xFFBE8D74)
YUV	152.8010, -18.1429, 32.6235
Hunter-Lab	55.9088, 10.4322, 17.1111

Details

The XYZ color **33.9125, 31.2579, 20.7690** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **29.9513, 34.3397, 53.7648**, and the grayscale version is **30.2575, 31.8332, 34.6664**.

A 20% lighter version of the original color is **65.2944, 61.8138, 45.5357**, and **14.7761, 13.0504, 7.2090** is the 20% darker color. If you saturate the color by 10%, you get **31.1677, 27.3597, 14.9478**, and if you desaturate by 10%, it is **37.0957, 35.6709, 27.8522**.

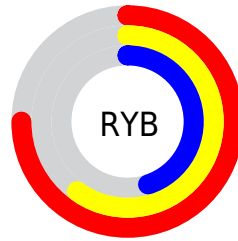
Distribution



Red (75%)

Green (55%)

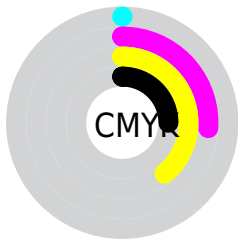
Blue (45%)



Red (75%)

Yellow (60%)

Blue (45%)

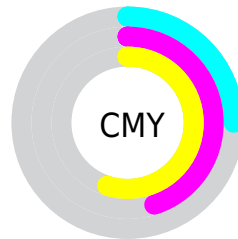


Cyan (0%)

Magenta (26%)

Yellow (39%)

Black (25%)



Cyan (25%)


Magenta (45%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9125, 31.2579, 20.7690 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 33.9125, 31.2579, 20.7690 by changing the saturation by 10% instead.


 33.9125, 31.2579,
20.7690


 33.9125, 31.2579,
20.7690


311.3345,
307.7247, 268.7889


 22.9890, 20.7953,
12.7657


 65.1428, 61.6459,
45.5786

 14.7060, 12.9745,
7.1386


 86.1802, 82.3401,
63.2219

 8.6983, 7.4110,
3.4691


 111.3197,
107.2136, 84.9155

 4.6004, 3.7204,
1.3389

140.9265,
136.6508, 111.0782

 2.0471, 1.5184,
0.0933

175.3660,
171.0361, 142.1283

 0.6602, 0.3016,
0.0000

215.0036,

 0.0000, 0.0000,

210.7539, 178.4844

0.0000

260.2047,
256.1887, 220.5651

■ 33.9125, 31.2579,
20.7690

■ 33.9125, 31.2579,
20.7690

■ 31.1677, 27.3597,
14.9478

■ 37.0957, 35.6709,
27.8522

■ 28.8380, 23.9523,
10.3113

■ 40.7343, 40.6128,
36.2645

■ 26.9013, 21.0163,
6.7765


■ 44.8472, 46.1024,
46.0708


■ 25.3325, 18.5288,
4.2488


■ 49.4516, 52.1565,
57.3308


■ 24.1024, 16.4650,
2.6173

■ 54.5635, 58.7910,
70.1008

 23.1668, 14.7927,
1.6917

 60.1986, 66.0210,
84.4344

 23.0799, 14.6366,
1.6087

 66.3716, 73.8614,
100.3821

 70.9318, 81.4603,
106.5927

 74.7985, 89.1937,
107.8815

Harmonies

Analogous

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



36.3354, 31.2579, 26.9281



33.9125, 31.2579, 20.7690



30.4909, 31.2579, 18.2334

Triad

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



33.9125, 31.2579, 20.7690



23.5039, 31.2579, 31.8643



32.4683, 31.2579, 55.0041

Complementary

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



33.9125, 31.2579, 20.7690



29.9513, 34.3397, 53.7648

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.



28.9419, 31.2579, 57.0397



33.9125, 31.2579, 20.7690



23.9428, 31.2579, 42.2927

Square

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



33.9125, 31.2579, 20.7690



24.6198, 31.2579, 23.7735



25.8693, 31.2579, 52.0056



35.4569, 31.2579, 46.8905

Rectangle

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



33.9125, 31.2579, 20.7690



28.1745, 31.2579, 18.4972



25.8693, 31.2579, 52.0056



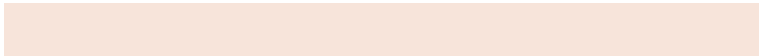
31.2997, 31.2579, 56.4801

Sweetspot

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



33.9133, 31.2594, 20.7696



78.7530, 80.2029, 77.4321



34.3027, 26.1670, 38.9996



17.0744, 17.3199, 16.4795



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.



33.9133, 31.2594, 20.7696



57.0301, 50.3703, 28.2233



40.2419, 43.9165, 22.8791



9.7866, 10.0491, 10.0005



15.4126, 9.8640, 1.0916



0.6653, 0.5096, 0.0633

Inverse Universe

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



29.9513, 34.3397, 53.7648



48.7899, 56.7149, 96.6547



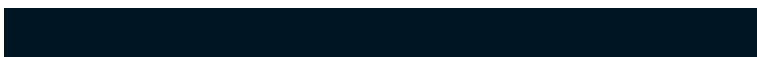
24.2598, 22.9565, 51.8676



9.5297, 10.2517, 12.1487



11.1991, 12.5099, 34.2173



0.4969, 0.6064, 1.3597

Previews

White Background



This preview shows how the XYZ color 33.9125, 31.2579, 20.7690 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.9125, 31.2579, 20.7690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

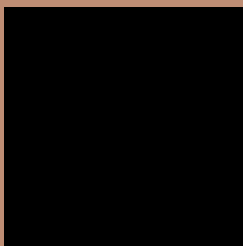
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9125, 31.2579, 20.7690

Background



This preview shows how black text looks on a background with the XYZ color 33.9125, 31.2579, 20.7690.



This preview shows how white text looks on a background with the XYZ color 33.9125, 31.2579,

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

33.9125, 31.2579, 20.7690

Protanopia

29.5797, 31.5183, 22.6138

Deuteranopia

31.9638, 31.3793, 20.5918



Tritanopia

36.2044, 31.3354, 31.7439

Trichromacy



Original Color

33.9125, 31.2579, 20.7690

Protanomaly

30.9329, 31.2824, 21.8605

Deuteranomaly

32.5962, 31.2516, 20.5338

Tritanomaly

35.2706, 31.1610, 27.4483

Monochromacy



Original Color

33.9125, 31.2579, 20.7690

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.2070, 31.4953, 29.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9125, 31.2579, 20.7690 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(190, 141, 116)` looks like.

```
.text, #text, p{  
    color:rgb(190, 141, 116)  
}
```

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(190, 141, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 141, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.9125, 31.2579, 20.7690 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(190, 141, 116) }
```


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

```
.border{ border-color:rgb(190, 141, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 141, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 141, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 141, 116);  
box-shadow:4px 4px 4px 4px rgb(190, 141,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9125, 31.2579, 20.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 141, 116) }
```

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

```
.background{ background-color: rgb(190,  
141, 116) }
```

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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