

Converting Colors

XYZ(38.5097, 33.2404, 17.9605)

Have a look what the booklet for
XYZ(38.5097, 33.2404, 17.9605)
contains.

XYZ(38.4125, 33.2075, 18.0208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.4125, 33.2075,
18.0208)**

Conversions

Conversions Part 1

Format	Color
Hex	D28B6A
RGB	210, 139, 106
RGB Percent	82%, 55%, 42%
CMY	0.1765, 0.4549, 0.5843
CMYK	0.00, 0.34, 0.50, 0.18
HSL	19°, 54%, 62%
HSV	19°, 50%, 82%
XYZ	38.4125, 33.2075, 18.0208
YIQ	156.4670, 52.9090, 4.7890

Conversions

Conversions Part 2

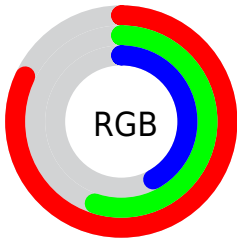
Format	Color
R_{YB}	210, 154, 106
Decimal	13798250
CIE _{Lab}	64.33, 23.43, 28.69
CIE _{LCh}	64, 37.039, 50.766
Yxy	33.2075, 0.4285, 0.3705
Android (android.graphics.Color)	4291988330 (0xFFD28B6A)
YUV	156.4670, -24.8802, 46.9484
Hunter-Lab	57.6259, 18.1397, 21.7970

Details

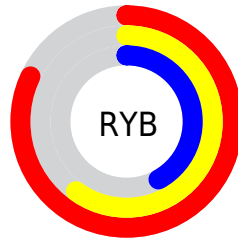
The XYZ color **38.4125, 33.2075, 18.0208** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.2981, 39.1598, 66.7762**, and the grayscale version is **31.9008, 33.5621, 36.5491**.

A 20% lighter version of the original color is **66.4815, 61.8686, 40.7856**, and **17.2023, 13.9603, 5.7909** is the 20% darker color. If you saturate the color by 10%, you get **35.5100, 28.9414, 12.3093**, and if you desaturate by 10%, it is **41.8563, 38.1283, 25.2326**.

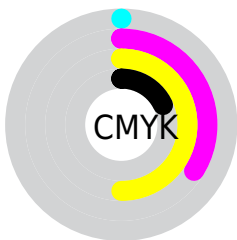
Distribution



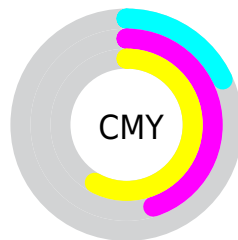
- Red (82%)
- Green (55%)
- Blue (42%)



- Red (82%)
- Yellow (60%)
- Blue (42%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (18%)




- Cyan (18%)
- Magenta (45%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4125, 33.2075, 18.0208 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 38.4125, 33.2075, 18.0208 by changing the saturation by 10% instead.


 38.4125, 33.2075,
18.0208


 38.4125, 33.2075,
18.0208


330.6365,
316.5837, 253.2283


 26.4817, 22.2855,
10.7953


 72.0398, 64.6994,
40.8872


 17.3189, 14.0668,
5.8169


 94.4669, 86.0379,
57.3652

 10.5588, 8.1671,
2.6671


 121.1236,
111.6175, 77.7644

 5.8361, 4.2021,
0.9268

 152.3751,
141.8224, 102.5034

 2.7854, 1.7872,
0.0000

188.5868,
177.0371, 132.0008

 1.0413, 0.4792,
0.0000

230.1240,

 0.0000, 0.0000,

217.6460, 166.6750

0.0000

277.3521,
264.0334, 206.9447

■ 38.4125, 33.2075,
18.0208

■ 38.4125, 33.2075,
18.0208

■ 35.5100, 28.9414,
12.3093

■ 41.8563, 38.1283,
25.2326

■ 33.1158, 25.2960,
7.9879

■ 45.8667, 43.7258,
34.0400

■ 31.1971, 22.2416,
4.9344


■ 50.4703, 50.0272,
44.5329


■ 29.7151, 19.7435,
3.0039

■ 55.6912, 57.0563,
56.7936


■ 28.6105, 17.7572,
1.9483


■ 61.5520, 64.8362,
70.8993

 28.5644, 17.6738,
1.9059

 68.0743, 73.3885,
86.9223

 75.2785, 82.7343,
104.9312

 79.9718, 91.6086,
108.0750

 80.3883, 92.4416,
108.2138

Harmonies

Analogous

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



42.0128, 33.2075, 26.8164



38.4125, 33.2075, 18.0208



33.2161, 33.2075, 14.4173

Triad

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



38.4125, 33.2075, 18.0208



22.5833, 33.2075, 31.6994



35.2920, 33.2075, 70.6300

Complementary

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



38.4125, 33.2075, 18.0208



33.2981, 39.1598, 66.7762

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.



29.9651, 33.2075, 73.0138



38.4125, 33.2075, 18.0208



23.0074, 33.2075, 47.4488

Square

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



38.4125, 33.2075, 18.0208



24.3491, 33.2075, 20.7380



25.5799, 33.2075, 63.6029



40.0765, 33.2075, 57.7836

Rectangle

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



38.4125, 33.2075, 18.0208



29.7081, 33.2075, 14.4905



25.5799, 33.2075, 63.6029



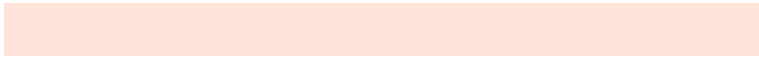
33.4930, 33.2075, 72.7988

Sweetspot

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



38.4133, 33.2091, 18.0214



81.7204, 82.2339, 77.0409



39.6749, 27.1869, 44.7865



17.1296, 17.1128, 15.6439



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.



38.4133, 33.2091, 18.0214



55.0431, 44.8234, 18.9943



47.7961, 51.9748, 21.1490



12.1106, 12.4118, 12.3695



17.5043, 10.9416, 1.1894



1.0498, 0.7538, 0.0902

Inverse Universe

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



33.2981, 39.1598, 66.7762



46.1974, 54.9449, 102.7783



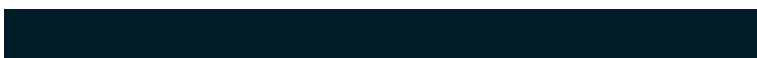
24.9190, 22.4018, 63.9832



11.8288, 12.7479, 15.0808



13.2140, 15.0745, 39.4057



0.8085, 0.9822, 2.2265

Previews

White Background



This preview shows how the XYZ color 38.4125, 33.2075, 18.0208 looks on a white background.

Color Contrast Check

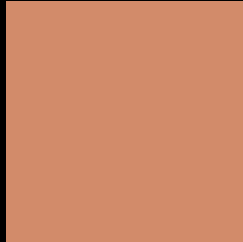
Large Text (above 18pt) WCAG AA × Fail

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 38.4125, 33.2075, 18.0208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

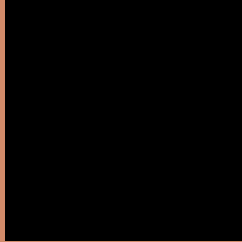
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4125, 33.2075, 18.0208

Background



This preview shows how black text looks on a background with the XYZ color 38.4125, 33.2075, 18.0208.



This preview shows how white text looks on a background with the XYZ color 38.4125, 33.2075,

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

38.4125, 33.2075, 18.0208

Protanopia

31.0176, 33.2940, 20.4144

Deuteranopia

34.1441, 33.5035, 17.7639



Tritanopia

40.9997, 33.2099, 30.6348

Trichromacy



Original Color

38.4125, 33.2075, 18.0208

Protanomaly

33.2493, 33.0058, 19.3702

Deuteranomaly

35.5936, 33.3135, 17.9188

Tritanomaly

39.9848, 33.2171, 25.4232

Monochromacy



Original Color

38.4125, 33.2075, 18.0208

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.3983, 32.8778, 28.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4125, 33.2075, 18.0208 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(210, 139, 106)` looks like.

```
.text, #text, p{  
    color:rgb(210, 139, 106)  
}
```

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(210, 139, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 139, 106) }
```

Border

The CSS property to change the border of an element to XYZ 38.4125, 33.2075, 18.0208 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(210, 139, 106) }
```


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

```
.border{ border-color:rgb(210, 139, 106) }
```

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

Here you see how a box with a 4 pixel rgb(210, 139, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 139, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 139, 106);  
box-shadow:4px 4px 4px 4px rgb(210, 139,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4125, 33.2075, 18.0208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 139, 106) }
```

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

```
.background{ background-color: rgb(210,  
139, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor