

# Converting Colors

XYZ(38.2122, 32.4829, 24.0774)

Have a look what the booklet for  
XYZ(38.2122, 32.4829, 24.0774)  
contains.

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# Color

**XYZ(38.1652, 32.5195,  
24.0040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE897E
RGB	206, 137, 126
RGB Percent	81%, 54%, 49%
CMY	0.1922, 0.4627, 0.5059
CMYK	0.00, 0.33, 0.39, 0.19
HSL	8°, 45%, 65%
HSV	8°, 39%, 81%
XYZ	38.1652, 32.5195, 24.0040
YIQ	156.3770, 44.6550, 11.2070

# Conversions

## Conversions Part 2

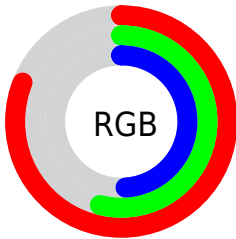
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 139, 126
Decimal	13535614
CIE Lab	63.77, 25.04, 16.71
CIE LCh	64, 30.106, 33.724
Yxy	32.5195, 0.4031, 0.3434
Android (android.graphics.Color)	4291725694 (0xFFCE897E)
YUV	156.3770, -14.9759, 43.5194
Hunter-Lab	57.0259, 19.6678, 14.9611

# Details

The XYZ color **38.1652, 32.5195, 24.0040** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.2591, 47.9203, 65.5730**, and the grayscale version is **31.8200, 33.4771, 36.4566**.

A 20% lighter version of the original color is **68.0075, 61.7763, 50.9875**, and **17.0618, 13.5810, 8.7433** is the 20% darker color. If you saturate the color by 10%, you get **34.6494, 27.4007, 16.9355**, and if you desaturate by 10%, it is **42.3722, 38.5827, 32.6539**.

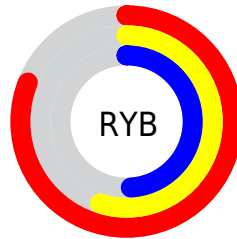
# Distribution



Red (81%)

Green (54%)

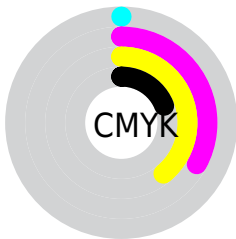
Blue (49%)



Red (81%)

Yellow (55%)

Blue (49%)

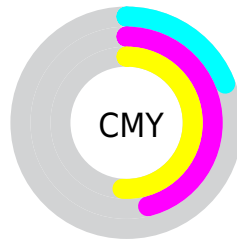


Cyan (0%)

Magenta (33%)

Yellow (39%)

Black (19%)



Cyan (19%)

Magenta (46%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1652, 32.5195, 24.0040 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 38.1652, 32.5195, 24.0040 by changing the saturation by 10% instead.





 38.1652, 32.5195,  
24.0040


 38.1652, 32.5195,  
24.0040

329.5967,  
313.4790, 286.1279


 26.2887, 21.7586,  
15.1244


 71.6635, 63.6246,  
50.9806

 17.1736, 13.6796,  
8.7591


 94.0161, 84.7376,  
69.9147

 10.4544, 7.8982,  
4.4897


 120.5914,  
110.0701, 93.0374

 5.7658, 4.0299,  
1.8977

151.7549,  
140.0066, 120.7671

 2.7425, 1.6903,  
0.4913

187.8718,  
174.9312, 153.5225

 1.0191, 0.4174,  
0.0000


229.3075,


 0.0000, 0.0000,

215.2286, 191.7221

0.0000


276.4273,  
261.2831, 235.7844


 38.1652, 32.5195,  
24.0040


 38.1652, 32.5195,  
24.0040


 34.6494, 27.4007,  
16.9355


 42.3722, 38.5827,  
32.6539


 31.7852, 23.1740,  
11.3507


 47.3025, 45.6296,  
42.9710


 29.5324, 19.7895,  
7.1437

 52.9888, 53.7031,  
55.0375

 27.8455, 17.1901,  
4.1941

 59.4614, 62.8420,  
68.9293

 26.6724, 15.3118,  
2.3603

 66.7488, 73.0832,  
84.7180

■ 25.9415, 14.0764,  
1.4187

■ 74.8780, 84.4620,  
102.4712

■ 25.8769, 13.9684,  
1.3323

■ 79.2636, 91.8618,  
108.1612

# Harmonies

## Analogous

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



39.7391, 32.5195, 33.9192



38.1652, 32.5195, 24.0040



34.6441, 32.5195, 18.3832

# Triad

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



38.1652, 32.5195, 24.0040



24.1853, 32.5195, 26.0800



31.4392, 32.5195, 64.0486

# Complementary

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



38.1652, 32.5195, 24.0040



39.2591, 47.9203, 65.5730

# 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.



27.4521, 32.5195, 60.6179



38.1652, 32.5195, 24.0040



23.4942, 32.5195, 36.9402

# Square

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



38.1652, 32.5195, 24.0040



26.6167, 32.5195, 19.3762



24.6359, 32.5195, 49.9502



35.6391, 32.5195, 58.4820



# Rectangle

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



38.1652, 32.5195, 24.0040



31.8048, 32.5195, 16.9596



24.6359, 32.5195, 49.9502



30.0298, 32.5195, 63.9147

# Sweetspot

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



38.1660, 32.5211, 24.0046



82.6602, 82.4862, 82.3705



42.8027, 31.9990, 55.7482



17.4283, 17.2803, 17.0690



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.



38.1660, 32.5211, 24.0046



56.7930, 45.3520, 28.7376



44.8761, 45.9412, 26.2413



11.3347, 11.4584, 11.6937



15.9760, 8.6849, 0.8343



0.8657, 0.5311, 0.0569



# Inverse Universe

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



39.2591, 47.9203, 65.5730



58.7902, 73.8321, 105.7602



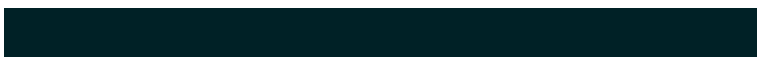
31.5220, 32.4460, 62.9939



11.4066, 12.4536, 14.3730



16.6750, 22.3739, 39.3960



0.8974, 1.2286, 2.0448



# Previews

## White Background



This preview shows how the XYZ color 38.1652, 32.5195, 24.0040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

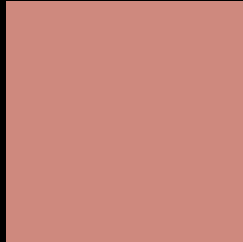
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.1652, 32.5195, 24.0040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

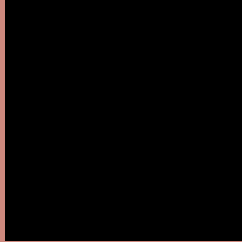
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.1652, 32.5195, 24.0040**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1652, 32.5195, 24.0040.



This preview shows how white text looks on a background with the XYZ color 38.1652, 32.5195,



# 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

38.1652, 32.5195, 24.0040

### Protanopia

30.8291, 32.5419, 27.5780

### Deuteranopia

33.2079, 32.6534, 23.6213



## Tritanopia

39.5716, 32.4737, 30.5680

# Trichromacy



## Original Color

38.1652, 32.5195, 24.0040

## Protanomaly

33.1149, 32.3107, 26.3210

## Deuteranomaly

34.8133, 32.5503, 23.8500

## Tritanomaly

38.9115, 32.3995, 27.8698

# Monochromacy



## Original Color

38.1652, 32.5195, 24.0040

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

33.3138, 32.5379, 31.3127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1652, 32.5195, 24.0040 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(206, 137, 126)` looks like.

```
.text, #text, p{  
    color:rgb(206, 137, 126)  
}
```

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(206, 137, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 137, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1652, 32.5195, 24.0040 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(206, 137, 126) }
```



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

```
.border{ border-color:rgb(206, 137, 126) }
```

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

Here you see how a box with a 4 pixel rgb(206, 137, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 137, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 137, 126);  
box-shadow:4px 4px 4px 4px rgb(206, 137,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1652, 32.5195, 24.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 137, 126) }
```

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

```
.background{ background-color: rgb(206,  
137, 126) }
```

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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