

# Converting Colors

XYZ(38.7260, 34.9011, 20.3226)

Have a look what the booklet for  
XYZ(38.7260, 34.9011, 20.3226)  
contains.

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# Color

**XYZ(38.7131, 34.8718,  
20.3133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE9271
RGB	206, 146, 113
RGB Percent	81%, 57%, 44%
CMY	0.1922, 0.4274, 0.5569
CMYK	0.00, 0.29, 0.45, 0.19
HSL	21°, 49%, 63%
HSV	21°, 45%, 81%
XYZ	38.7131, 34.8718, 20.3133
YIQ	160.1780, 46.3530, 2.4570

# Conversions

## Conversions Part 2

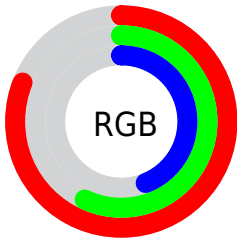
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 164, 113
Decimal	13537905
CIE <sub>Lab</sub>	65.65, 18.70, 26.49
CIE <sub>LCh</sub>	66, 32.427, 54.787
Yxy	34.8718, 0.4123, 0.3714
Android (android.graphics.Color)	4291727985 (0xFFCE9271)
YUV	160.1780, -23.2588, 40.1859
Hunter-Lab	59.0523, 13.6781, 20.9416

# Details

The XYZ color **38.7131, 34.8718, 20.3133** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.8935, 37.8525, 63.9650**, and the grayscale version is **33.5854, 35.3345, 38.4793**.

A 20% lighter version of the original color is **68.6858, 65.2852, 44.5785**, and **17.4408, 14.9556, 6.9685** is the 20% darker color. If you saturate the color by 10%, you get **35.7516, 30.5989, 14.2393**, and if you desaturate by 10%, it is **42.1777, 39.7297, 27.8543**.

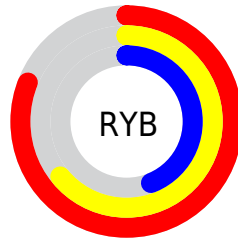
# Distribution



Red (81%)

Green (57%)

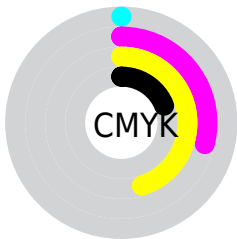
Blue (44%)



Red (81%)

Yellow (64%)

Blue (44%)

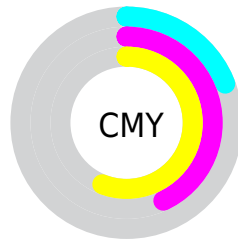


Cyan (0%)

Magenta (29%)

Yellow (45%)

Black (19%)



Cyan (19%)

Magenta (43%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7131, 34.8718, 20.3133 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 38.7131, 34.8718, 20.3133 by changing the saturation by 10% instead.





 38.7131, 34.8718,  
20.3133


 38.7131, 34.8718,  
20.3133


331.8974,  
324.0021, 266.2663


 26.7163, 23.5641,  
12.4367


 72.4967, 67.2871,  
44.8077


 17.4958, 15.0106,  
6.9157


 95.0143, 89.1636,  
62.2625

 10.6861, 8.8268,  
3.3318


 121.7694,  
115.3317, 83.7471

 5.9219, 4.6284,  
1.2664

 153.1276,  
146.1760, 109.6801

 2.8379, 2.0309,  
0.0340

189.4541,  
182.0808, 140.4800

 1.0686, 0.6253,  
0.0000

231.1144,

 0.0000, 0.0000,

223.4305, 176.5653

0.0000

278.4737,  
270.6094, 218.3545

■ 38.7131, 34.8718,  
20.3133

■ 38.7131, 34.8718,  
20.3133

■ 35.7516, 30.5989,  
14.2393

■ 42.1777, 39.7297,  
27.8543

■ 33.2645, 26.8825,  
9.5326

■ 46.1670, 45.1894,  
36.9490

■ 31.2238, 23.6990,  
6.0840


■ 50.7041, 51.2736,  
47.6796


■ 29.5967, 21.0207,  
3.7664


■ 55.8102, 58.0018,  
60.1219

■ 28.3448, 18.8166,  
2.4252


■ 61.5050, 65.3929,  
74.3470

 27.8431, 17.9009,  
1.9877

 67.8074, 73.4650,  
90.4219

 74.3790, 82.0926,  
106.5330

 78.4144, 90.1636,  
107.8782

 79.2635, 91.8618,  
108.1612

# Harmonies

## Analogous

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



42.1776, 34.8718, 27.9970



38.7131, 34.8718, 20.3133



33.9840, 34.8718, 17.3750

# Triad

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



38.7131, 34.8718, 20.3133



24.8322, 34.8718, 35.6351



37.1360, 34.8718, 67.1200

# Complementary

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



38.7131, 34.8718, 20.3133



32.8935, 37.8525, 63.9650

# 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.



32.3192, 34.8718, 70.5525



38.7131, 34.8718, 20.3133



25.5032, 34.8718, 50.0667

# Square

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



38.7131, 34.8718, 20.3133



26.2086, 34.8718, 24.7604



28.1374, 34.8718, 63.6948



41.2076, 34.8718, 55.1977



# Rectangle

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



38.7131, 34.8718, 20.3133



30.8608, 34.8718, 17.8305



28.1374, 34.8718, 63.6948



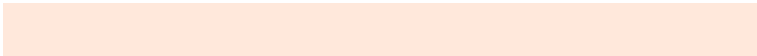
35.5384, 34.8718, 69.4092

# Sweetspot

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



38.7140, 34.8735, 20.3140



82.9138, 84.0863, 79.0854



38.9453, 27.9669, 43.1095



17.3825, 17.5135, 16.0523



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.



38.7140, 34.8735, 20.3140



58.1354, 49.8850, 23.4870



47.2949, 52.0353, 23.1743



11.5327, 11.8543, 11.7597



17.2284, 11.1897, 1.2518



0.9600, 0.7196, 0.0883



# Inverse Universe

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



32.8935, 37.8525, 63.9650



47.5296, 55.2289, 102.7629



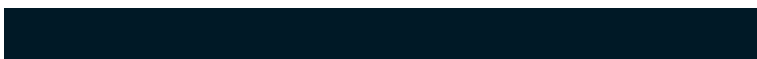
25.5338, 23.1331, 61.5118



11.1953, 12.0310, 14.3025



12.1101, 13.2442, 37.8744



0.6946, 0.8230, 1.9772



# Previews

## White Background



This preview shows how the XYZ color 38.7131, 34.8718, 20.3133 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 38.7131, 34.8718, 20.3133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

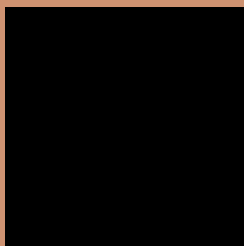
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.7131, 34.8718, 20.3133**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7131, 34.8718, 20.3133.



This preview shows how white text looks on a background with the XYZ color 38.7131, 34.8718,



# 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

38.7131, 34.8718, 20.3133

### Protanopia

32.6952, 35.1314, 22.5106

### Deuteranopia

35.5511, 34.8995, 20.1918



## Tritanopia

41.4053, 34.8394, 33.8205

# Trichromacy



## Original Color

38.7131, 34.8718, 20.3133

## Protanomaly

34.6994, 34.9174, 21.7405

## Deuteranomaly

36.5959, 34.7183, 20.1017

## Tritanomaly

40.3502, 34.8610, 28.2691

# Monochromacy



## Original Color

38.7131, 34.8718, 20.3133

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.8107, 34.7730, 30.8637

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7131, 34.8718, 20.3133 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, 146, 113)` looks like.

```
.text, #text, p{  
    color:rgb(206, 146, 113)  
}
```

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, 146, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 146, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7131, 34.8718, 20.3133 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, 146, 113) }
```



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

```
.border{ border-color:rgb(206, 146, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 146, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 146, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 146, 113);  
box-shadow:4px 4px 4px 4px rgb(206, 146,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7131, 34.8718, 20.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 146, 113) }
```

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

```
.background{ background-color: rgb(206,  
146, 113) }
```

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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