

# Converting Colors

XYZ(38.3546, 35.1319, 23.3339)

Have a look what the booklet for  
XYZ(38.3546, 35.1319, 23.3339)  
contains.

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# Color

**XYZ(38.1902, 35.0025,  
23.1557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9947A
RGB	201, 148, 122
RGB Percent	79%, 58%, 48%
CMY	0.2118, 0.4196, 0.5216
CMYK	0.00, 0.26, 0.39, 0.21
HSL	20°, 42%, 63%
HSV	20°, 39%, 79%
XYZ	38.1902, 35.0025, 23.1557
YIQ	160.8830, 39.9340, 3.1500

# Conversions

## Conversions Part 2

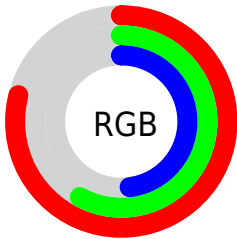
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 161, 122
Decimal	13210746
CIE <sub>Lab</sub>	65.75, 16.58, 21.57
CIE <sub>LCh</sub>	66, 27.207, 52.448
Yxy	35.0025, 0.3964, 0.3633
Android (android.graphics.Color)	4291400826 (0xFFC9947A)
YUV	160.8830, -19.1693, 35.1826
Hunter-Lab	59.1629, 11.6883, 18.2086

# Details

The XYZ color **38.1902, 35.0025, 23.1557** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.8981, 39.0132, 61.0021**, and the grayscale version is **33.8960, 35.6612, 38.8350**.

A 20% lighter version of the original color is **70.0984, 66.5962, 49.7172**, and **17.1543, 15.0502, 8.3042** is the 20% darker color. If you saturate the color by 10%, you get **35.0782, 30.5696, 16.5965**, and if you desaturate by 10%, it is **41.8080, 40.0346, 31.1550**.

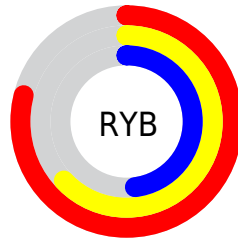
# Distribution



Red (79%)

Green (58%)

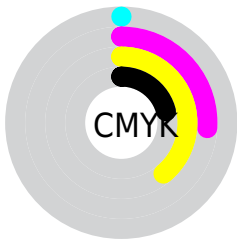
Blue (48%)



Red (79%)

Yellow (63%)

Blue (48%)

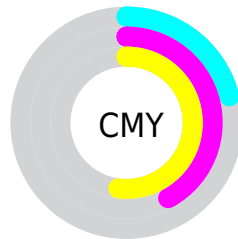


Cyan (0%)

Magenta (26%)

Yellow (39%)

Black (21%)



Cyan (21%)

Magenta (42%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1902, 35.0025, 23.1557 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 38.1902, 35.0025, 23.1557 by changing the saturation by 10% instead.





 38.1902, 35.0025,  
23.1557


 38.1902, 35.0025,  
23.1557


329.7019,  
324.5794, 281.6715

 26.3082, 23.6648,  
14.5021


 71.7016, 67.4896,  
49.5753

 17.1883, 15.0852,  
8.3280


 94.0617, 89.4079,  
68.1784

 10.4649, 8.8792,  
4.2148


 120.6453,  
115.6217, 90.9351

 5.7729, 4.6625,  
1.7439

151.8176,  
146.5156, 118.2639

 2.7468, 2.0506,  
0.3906

187.9441,  
182.4739, 150.5835

 1.0213, 0.6366,  
0.0000

229.3901,

 0.0000, 0.0000,

223.8811, 188.3122

0.0000

276.5209,  
271.1214, 231.8687

■ 38.1902, 35.0025,  
23.1557

■ 38.1902, 35.0025,  
23.1557

■ 35.0782, 30.5696,  
16.5965

■ 41.8080, 40.0346,  
31.1550

■ 32.4448, 26.7077,  
11.3881

■ 45.9516, 45.6827,  
40.6721

■ 30.2644, 23.3934,  
7.4348


■ 50.6430, 51.9692,  
51.7813


■ 28.5072, 20.5998,  
4.6269


■ 55.9022, 58.9138,  
64.5518


■ 27.1393, 18.2972,  
2.8354


■ 61.7481, 66.5354,  
79.0483

 26.1084, 16.4472,  
1.8388

 68.1987, 74.8520,  
95.3322

 26.0452, 16.3330,  
1.7799

 74.0061, 83.3749,  
106.8002

 77.8974, 91.1575,  
108.0973

# Harmonies

## Analogous

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



40.9115, 35.0025, 30.2904



38.1902, 35.0025, 23.1557



34.2920, 35.0025, 20.1526

# Triad

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



38.1902, 35.0025, 23.1557



26.1992, 35.0025, 35.2840



36.2990, 35.0025, 62.3651

# Complementary

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



38.1902, 35.0025, 23.1557



33.8981, 39.0132, 61.0021

# 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.



32.2662, 35.0025, 64.4441



38.1902, 35.0025, 23.1557



26.6426, 35.0025, 47.1754

# Square

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



38.1902, 35.0025, 23.1557



27.5257, 35.0025, 26.1808



28.7895, 35.0025, 58.4231



39.7599, 35.0025, 53.2079



# Rectangle

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



38.1902, 35.0025, 23.1557



31.6353, 35.0025, 20.3674



28.7895, 35.0025, 58.4231



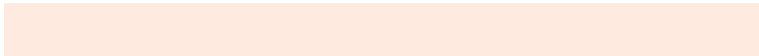
34.9577, 35.0025, 63.9807

# Sweetspot

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



38.1911, 35.0042, 23.1564



84.3064, 85.7786, 82.9193



38.8820, 29.4709, 44.7050



17.8134, 18.0504, 17.1973



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.



38.1911, 35.0042, 23.1564



60.8762, 53.5183, 30.0986



45.2684, 49.1587, 25.5155



10.9143, 11.1977, 11.1489



16.4514, 10.4200, 1.1442



0.8456, 0.6266, 0.0764



# Inverse Universe

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



33.8981, 39.0132, 61.0021



52.5063, 61.2643, 103.6656



27.4414, 26.0998, 58.8498



10.6412, 11.4564, 13.5679



12.1487, 13.6914, 36.7468



0.6394, 0.7767, 1.7614



# Previews

## White Background



This preview shows how the XYZ color 38.1902, 35.0025, 23.1557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

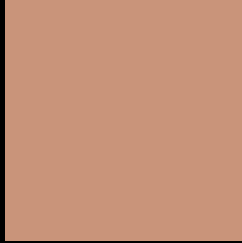
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.1902, 35.0025, 23.1557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

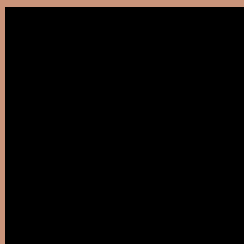
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.1902, 35.0025, 23.1557**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1902, 35.0025, 23.1557.



This preview shows how white text looks on a background with the XYZ color 38.1902, 35.0025,



# 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

38.1902, 35.0025, 23.1557

### Protanopia

32.9791, 35.2200, 25.1386

### Deuteranopia

35.5815, 34.8543, 22.9414



## Tritanopia

40.5570, 34.8154, 35.1543

# Trichromacy



## Original Color

38.1902, 35.0025, 23.1557

## Protanomaly

34.6462, 35.0814, 24.3474

## Deuteranomaly

36.5101, 34.8511, 22.8918

## Tritanomaly

39.6365, 34.9003, 30.2385

# Monochromacy



## Original Color

38.1902, 35.0025, 23.1557

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

35.0594, 35.1136, 32.5335

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1902, 35.0025, 23.1557 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(201, 148, 122)` looks like.

```
.text, #text, p{  
    color:rgb(201, 148, 122)  
}
```

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(201, 148, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 148, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1902, 35.0025, 23.1557 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(201, 148, 122) }
```



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

```
.border{ border-color:rgb(201, 148, 122) }
```

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

Here you see how a box with a 4 pixel rgb(201, 148, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 148, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 148, 122);  
box-shadow:4px 4px 4px 4px rgb(201, 148,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1902, 35.0025, 23.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 148, 122) }
```

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

```
.background{ background-color: rgb(201,  
148, 122) }
```

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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