

# Converting Colors

XYZ(38.6210, 34.8903, 15.3860)

Have a look what the booklet for  
XYZ(38.6210, 34.8903, 15.3860)  
contains.

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# Color

**XYZ(38.5938, 34.9212,  
15.2960)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1925E
RGB	209, 146, 94
RGB Percent	82%, 57%, 37%
CMY	0.1804, 0.4274, 0.6314
CMYK	0.00, 0.30, 0.55, 0.18
HSL	27°, 56%, 59%
HSV	27°, 55%, 82%
XYZ	38.5938, 34.9212, 15.2960
YIQ	158.9090, 54.2400, -2.8160

# Conversions

## Conversions Part 2

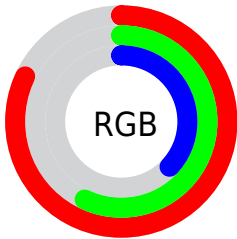
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 189, 94
Decimal	13734494
CIE <sub>Lab</sub>	65.69, 18.15, 36.87
CIE <sub>LCh</sub>	66, 41.097, 63.790
Yxy	34.9212, 0.4346, 0.3932
Android (android.graphics.Color)	4291924574 (0xFFD1925E)
YUV	158.9090, -32.0001, 43.9298
Hunter-Lab	59.0942, 13.1618, 26.0192

# Details

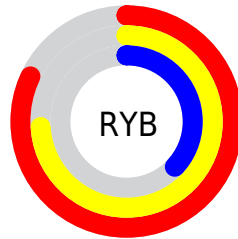
The XYZ color **38.5938, 34.9212, 15.2960** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **28.1811, 31.0958, 64.8383**, and the grayscale version is **33.0381, 34.7586, 37.8522**.

A 20% lighter version of the original color is **67.0051, 64.6129, 35.7280**, and **17.3478, 14.9610, 4.5582** is the 20% darker color. If you saturate the color by 10%, you get **36.1027, 31.2422, 10.4485**, and if you desaturate by 10%, it is **41.5173, 39.0587, 21.5409**.

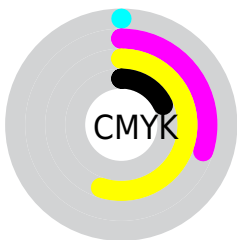
# Distribution



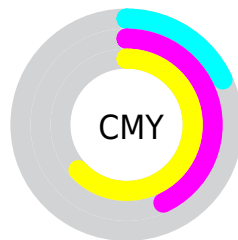
- Red (82%)
- Green (57%)
- Blue (37%)



- Red (82%)
- Yellow (74%)
- Blue (37%)



- Cyan (0%)
- Magenta (30%)
- Yellow (55%)
- Black (18%)




- Cyan (18%)
- Magenta (43%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5938, 34.9212, 15.2960 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 38.5938, 34.9212, 15.2960 by changing the saturation by 10% instead.





 38.5938, 34.9212,  
15.2960


 38.5938, 34.9212,  
15.2960


331.3974,  
324.2204, 236.8531


 26.6232, 23.6022,  
8.8785


 72.3154, 67.3637,  
36.1212


 17.4255, 15.0388,  
4.5663


 94.7971, 89.2559,  
51.3660

 10.6355, 8.8466,  
1.9409

 121.5132,  
115.4414, 70.3903

 5.8878, 4.6413,  
0.5185

 152.8291,  
146.3044, 93.6126

 2.8170, 2.0384,  
0.0000

189.1101,  
182.2294, 121.4515

 1.0577, 0.6296,  
0.0000

230.7216,

 0.0000, 0.0000,

223.6008, 154.3255

0.0000

278.0289,  
270.8030, 192.6532

■ 38.5938, 34.9212,  
15.2960

■ 38.5938, 34.9212,  
15.2960

■ 36.1027, 31.2422,  
10.4485

■ 41.5173, 39.0587,  
21.5409

■ 34.0152, 27.9978,  
6.8840

■ 44.8942, 43.6670,  
29.2811

■ 32.3024, 25.1691,  
4.4729

■ 48.7471, 48.7641,  
38.6080

■ 30.9289, 22.7329,  
3.0565

■ 53.0962, 54.3653,  
49.6051

■ 30.3429, 21.6522,  
2.5800

■ 57.9603, 60.4853,  
62.3498

■ 63.3571, 67.1380,  
76.9149

■ 69.3037, 74.3369,  
93.3688

■ 74.8013, 81.6889,  
106.4328

■ 78.2337, 88.5538,  
107.5770

# Harmonies

## Analogous

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



43.8178, 34.9212, 22.3532



38.5938, 34.9212, 15.2960



32.4292, 34.9212, 13.5423

# Triad

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



38.5938, 34.9212, 15.2960



22.8929, 34.9212, 40.2662



40.0840, 34.9212, 72.9367

# Complementary

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



38.5938, 34.9212, 15.2960



28.1811, 31.0958, 64.8383

# 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.



33.9658, 34.9212, 81.8445



38.5938, 34.9212, 15.2960



24.4392, 34.9212, 59.7017

# Square

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



38.5938, 34.9212, 15.2960



23.8181, 34.9212, 25.1356



28.3185, 34.9212, 76.3866



44.7489, 34.9212, 54.7000



# Rectangle

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



38.5938, 34.9212, 15.2960



28.7205, 34.9212, 14.9746



28.3185, 34.9212, 76.3866



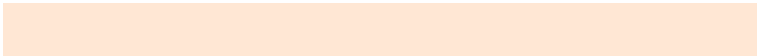
38.1041, 34.9212, 77.3362

# Sweetspot

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



38.5946, 34.9229, 15.2967



81.7265, 83.2897, 73.8252



36.4045, 24.0039, 34.7251



17.1899, 17.4390, 15.0304



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.



38.5946, 34.9229, 15.2967



56.0111, 48.0694, 15.2789



49.7299, 57.1935, 19.0084



12.2427, 12.6761, 12.4135



18.8043, 13.5415, 1.6227



1.1302, 0.9147, 0.1170



# Inverse Universe

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



28.1811, 31.0958, 64.8383



38.0510, 41.4289, 100.5988



20.6582, 16.0499, 62.3307



11.6927, 12.4757, 15.0354



10.9397, 10.5260, 38.6476



0.6904, 0.7460, 2.1872



# Previews

## White Background



This preview shows how the XYZ color 38.5938, 34.9212, 15.2960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

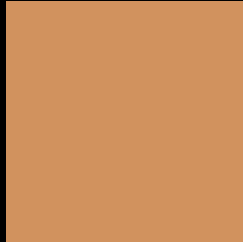
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5938, 34.9212, 15.2960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

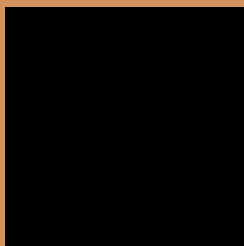
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.5938, 34.9212, 15.2960**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5938, 34.9212, 15.2960.



This preview shows how white text looks on a background with the XYZ color 38.5938, 34.9212,



# 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

38.5938, 34.9212, 15.2960

### Protanopia

32.2785, 35.0411, 16.8667

### Deuteranopia

35.8727, 35.1749, 15.2547



## Tritanopia

42.1782, 34.8134, 33.3508

# Trichromacy



## Original Color

38.5938, 34.9212, 15.2960

## Protanomaly

34.3725, 34.8706, 16.2283

## Deuteranomaly

36.7015, 34.8824, 15.1545

## Tritanomaly

40.8536, 34.9548, 25.7128

# Monochromacy



## Original Color

38.5938, 34.9212, 15.2960

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.0602, 34.2076, 27.7292

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5938, 34.9212, 15.2960 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(209, 146, 94)` looks like.

```
.text, #text, p{  
    color:rgb(209, 146, 94)  
}
```

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(209, 146, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 146, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5938, 34.9212, 15.2960 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(209, 146, 94) }
```



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

```
.border{ border-color:rgb(209, 146, 94) }
```

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

Here you see how a box with a 4 pixel rgb(209, 146, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 146, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 146, 94);  
box-shadow:4px 4px 4px 4px rgb(209, 146,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5938, 34.9212, 15.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 146, 94) }
```

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

```
.background{ background-color: rgb(209,  
146, 94) }
```

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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