

# Converting Colors

XYZ(38.4225, 34.2858, 15.8594)

Have a look what the booklet for  
XYZ(38.4225, 34.2858, 15.8594)  
contains.

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# Color

**XYZ(38.4254, 34.3649,  
15.9171)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D19061
RGB	209, 144, 97
RGB Percent	82%, 56%, 38%
CMY	0.1804, 0.4353, 0.6196
CMYK	0.00, 0.31, 0.54, 0.18
HSL	25°, 55%, 60%
HSV	25°, 54%, 82%
XYZ	38.4254, 34.3649, 15.9171
YIQ	158.0770, 53.8270, -0.8370

# Conversions

## Conversions Part 2

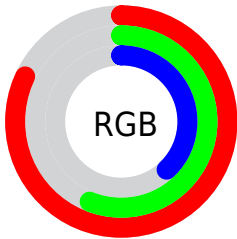
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 178, 97
Decimal	13733985
CIE <sub>Lab</sub>	65.25, 19.49, 34.73
CIE <sub>LCh</sub>	65, 39.826, 60.699
Yxy	34.3649, 0.4332, 0.3874
Android (android.graphics.Color)	4291924065 (0xFFD19061)
YUV	158.0770, -30.1110, 44.6595
Hunter-Lab	58.6216, 14.4158, 24.9365

# Details

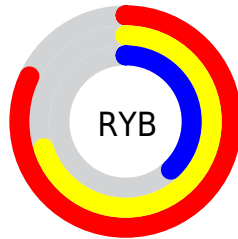
The XYZ color **38.4254, 34.3649, 15.9171** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.3580, 32.9839, 65.1405**, and the grayscale version is **32.6503, 34.3507, 37.4079**.

A 20% lighter version of the original color is **66.7794, 63.7863, 36.8093**, and **17.2312, 14.6298, 4.8214** is the 20% darker color. If you saturate the color by 10%, you get **35.8370, 30.5477, 10.8635**, and if you desaturate by 10%, it is **41.4695, 38.6829, 22.3897**.

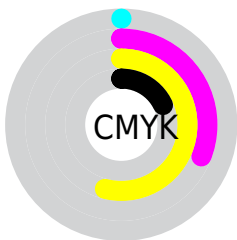
# Distribution



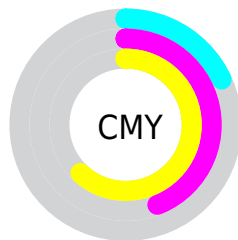
- Red (82%)
- Green (56%)
- Blue (38%)



- Red (82%)
- Yellow (70%)
- Blue (38%)



- Cyan (0%)
- Magenta (31%)
- Yellow (54%)
- Black (18%)




- Cyan (18%)
- Magenta (44%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4254, 34.3649, 15.9171 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 38.4254, 34.3649, 15.9171 by changing the saturation by 10% instead.





 38.4254, 34.3649,  
15.9171


 38.4254, 34.3649,  
15.9171

330.6907,  
321.7561, 240.6810


 26.4917, 23.1741,  
9.3118


 72.0594, 66.5007,  
37.2190


 17.3265, 14.7221,  
4.8455


 94.4904, 88.2145,  
52.7527

 10.5643, 8.6246,  
2.0998


 121.1513,  
114.2047, 72.0996

 5.8398, 4.4971,  
0.6156

 152.4074,  
144.8557, 95.6782

 2.7876, 1.9554,  
0.0000

188.6240,  
180.5520, 123.9071

 1.0425, 0.5813,  
0.0000

230.1665,

 0.0000, 0.0000,

221.6779, 157.2049

0.0000

277.4003,  
268.6178, 195.9900

■ 38.4254, 34.3649,  
15.9171

■ 38.4254, 34.3649,  
15.9171

■ 35.8370, 30.5477,  
10.8635

■ 41.4695, 38.6829,  
22.3897

■ 33.6751, 27.2056,  
7.1162

■ 44.9912, 43.5159,  
30.3782

■ 31.9101, 24.3177,  
4.5482

■ 49.0138, 48.8836,  
39.9731

■ 30.5063, 21.8587,  
3.0058

■ 53.5579, 54.8030,  
51.2571

■ 29.7607, 20.4879,  
2.3860

■ 58.6433, 61.2904,  
64.3074

■ 64.2884, 68.3614,  
79.1962

■ 70.5106, 76.0307,  
95.9917

■ 75.8096, 83.7058,  
106.7690

■ 79.5208, 91.1282,  
108.0061

# Harmonies

## Analogous

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



43.2118, 34.3649, 23.3755



38.4254, 34.3649, 15.9171



32.5271, 34.3649, 13.7188

# Triad

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



38.4254, 34.3649, 15.9171



22.7395, 34.3649, 37.8080



38.6882, 34.3649, 72.1130

# Complementary

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



38.4254, 34.3649, 15.9171



29.3580, 32.9839, 65.1405

# 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.



32.7989, 34.3649, 79.2590



38.4254, 34.3649, 15.9171



23.9876, 34.3649, 56.1888

# Square

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



38.4254, 34.3649, 15.9171



23.8772, 34.3649, 23.8715



27.5072, 34.3649, 72.7172



43.3757, 34.3649, 55.3097



# Rectangle

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



38.4254, 34.3649, 15.9171



28.8805, 34.3649, 14.8000



27.5072, 34.3649, 72.7172



36.7618, 34.3649, 75.9136

# Sweetspot

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



38.4262, 34.3666, 15.9178



82.0696, 83.4582, 75.5358



37.1205, 24.7254, 37.1542



17.2436, 17.4444, 15.3627



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.



38.4262, 34.3666, 15.9178



55.7847, 47.2726, 16.2638



49.0292, 55.5725, 19.4521



12.2106, 12.6119, 12.4028



18.4424, 12.8178, 1.5021



1.1089, 0.8720, 0.1099



# Inverse Universe

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



29.3580, 32.9839, 65.1405



40.1096, 44.8168, 101.1442



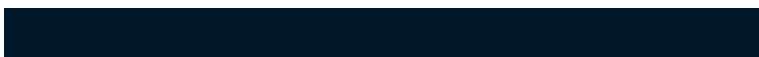
21.6271, 17.5221, 62.5635



11.7253, 12.5409, 15.0463



11.4324, 11.5114, 38.8119



0.7168, 0.7987, 2.1960



# Previews

## White Background



This preview shows how the XYZ color 38.4254, 34.3649, 15.9171 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 38.4254, 34.3649, 15.9171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

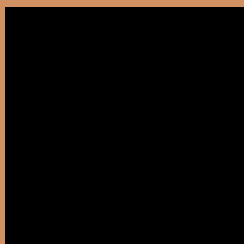
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.4254, 34.3649, 15.9171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4254, 34.3649, 15.9171.



This preview shows how white text looks on a background with the XYZ color 38.4254, 34.3649,

15.9171.

# 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

38.4254, 34.3649, 15.9171

### Protanopia

32.0799, 34.6598, 17.8312

### Deuteranopia

35.2861, 34.6202, 15.6491



## Tritanopia

41.8743, 34.4612, 32.4616

# Trichromacy



## Original Color

38.4254, 34.3649, 15.9171

## Protanomaly

34.1543, 34.4899, 17.1690

## Deuteranomaly

36.4120, 34.4815, 15.8028

## Tritanomaly

40.4919, 34.3382, 25.2627

# Monochromacy



## Original Color

38.4254, 34.3649, 15.9171

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

33.9666, 33.9072, 28.0471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4254, 34.3649, 15.9171 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, 144, 97)` looks like.

```
.text, #text, p{  
    color:rgb(209, 144, 97)  
}
```

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, 144, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 144, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4254, 34.3649, 15.9171 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, 144, 97) }
```



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

```
.border{ border-color:rgb(209, 144, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 144, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 144, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 144, 97);  
box-shadow:4px 4px 4px 4px rgb(209, 144,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4254, 34.3649, 15.9171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 144, 97) }
```

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

```
.background{ background-color: rgb(209,  
144, 97) }
```

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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