

# Converting Colors

XYZ(43.1365, 38.0979, 8.8673)

Have a look what the booklet for  
XYZ(43.1365, 38.0979, 8.8673)  
contains.

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# Color

**XYZ(43.1398, 38.1113,  
8.8239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E39538
RGB	227, 149, 56
RGB Percent	89%, 58%, 22%
CMY	0.1098, 0.4157, 0.7804
CMYK	0.00, 0.34, 0.75, 0.11
HSL	33°, 75%, 55%
HSV	33°, 75%, 89%
XYZ	43.1398, 38.1113, 8.8239
YIQ	161.7200, 76.3410, -12.3870

# Conversions

## Conversions Part 2

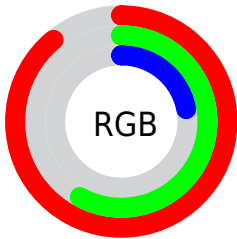
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 227, 56
Decimal	14914872
CIELab	68.10, 21.74, 58.46
CIELCh	68, 62.367, 69.598
Yxy	38.1113, 0.4789, 0.4231
Android (android.graphics.Color)	4293104952 (0xFFE39538)
YUV	161.7200, -52.1200, 57.2506
Hunter-Lab	61.7344, 16.7002, 34.7395

# Details

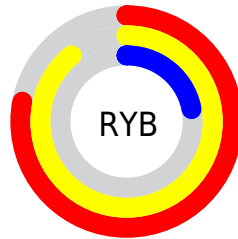
The XYZ color **43.1398, 38.1113, 8.8239** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **24.0206, 23.4359, 75.9301**, and the grayscale version is **34.4237, 36.2164, 39.4397**.

A 20% lighter version of the original color is **65.3563, 65.0760, 23.5843**, and **20.0936, 16.8424, 2.1919** is the 20% darker color. If you saturate the color by 10%, you get **41.1395, 34.8071, 6.0114**, and if you desaturate by 10%, it is **45.5390, 41.8113, 13.0108**.

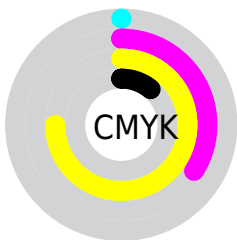
# Distribution



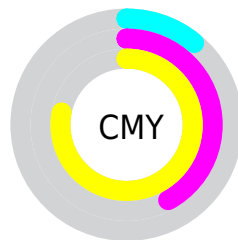
- Red (89%)
- Green (58%)
- Blue (22%)



- Red (78%)
- Yellow (89%)
- Blue (22%)



- Cyan (0%)
- Magenta (34%)
- Yellow (75%)
- Black (11%)




- Cyan (11%)
- Magenta (42%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1398, 38.1113, 8.8239 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 43.1398, 38.1113, 8.8239 by changing the saturation by 10% instead.





 43.1398, 38.1113,  
8.8239


 43.1398, 38.1113,  
8.8239


350.0982,  
338.0972, 192.2282


 30.1898, 26.0691,  
4.5313


 79.1762, 72.2787,  
24.1308


 20.1315, 16.8753,  
1.9211


 102.9933, 95.1727,  
35.9821

 12.5995, 10.1456,  
0.5061


 131.1635,  
122.4527, 51.1900

 7.2284, 5.4956,  
0.0000

 164.0521,  
154.5031, 70.1731

 3.6530, 2.5409,  
0.0000

 202.0245,  
191.7084, 93.3500

 1.5077, 0.8970,  
0.0000

 245.4461,

 0.3311, 0.0000,

234.4529, 121.1391

0.0000

294.6822,  
283.1210, 153.9589

■ 0.0000, 0.0000,  
0.0000

■ 43.1398, 38.1113,  
8.8239

■ 43.1398, 38.1113,  
8.8239

■ 41.1395, 34.8071,  
6.0114

■ 45.5390, 41.8113,  
13.0108

■ 39.4947, 31.8705,  
4.3747

■ 48.3682, 45.9205,  
18.7299

■ 38.8188, 30.6118,  
3.8627

■ 51.6578, 50.4583,  
26.1197

■ 55.4341, 55.4407,  
35.3021

■ 59.7212, 60.8825,  
46.3879

■ 64.5414, 66.7978,  
59.4786

■ 69.9154, 73.1998,  
74.6684

■ 75.8629, 80.1011,  
92.0457

■ 81.5368, 87.1677,  
107.1353

# Harmonies

## Analogous

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



52.6237, 38.1113, 15.8692



43.1398, 38.1113, 8.8239



33.1949, 38.1113, 7.9266

# Triad

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



43.1398, 38.1113, 8.8239



20.7396, 38.1113, 51.0801



49.4951, 38.1113, 97.9379

# Complementary

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



43.1398, 38.1113, 8.8239



24.0206, 23.4359, 75.9301

# 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.



39.4313, 38.1113, 119.8456



43.1398, 38.1113, 8.8239



23.6431, 38.1113, 85.8372

# Square

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



43.1398, 38.1113, 8.8239



21.3741, 38.1113, 25.4900



30.0893, 38.1113, 114.6316



56.7244, 38.1113, 63.1007



# Rectangle

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



43.1398, 38.1113, 8.8239



27.7518, 38.1113, 10.1806



30.0893, 38.1113, 114.6316



46.2648, 38.1113, 107.6359

# Sweetspot

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



43.1407, 38.1132, 8.8246



79.0557, 80.8855, 63.8795



37.5225, 20.9313, 25.2811



16.4582, 16.7360, 12.4424



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.



43.1407, 38.1132, 8.8246



52.3789, 43.2483, 6.5353



58.0928, 70.6425, 14.3153



15.0233, 15.6604, 15.1354



22.7576, 18.0893, 2.2921



1.7743, 1.5220, 0.2003



# Inverse Universe

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



24.0206, 23.4359, 75.9301



26.4695, 23.4455, 97.7381



17.2474, 9.3892, 73.5758



14.1216, 14.9647, 18.2885



11.0596, 9.1813, 43.5724



0.9092, 0.8622, 3.2505



# Previews

## White Background



This preview shows how the XYZ color 43.1398, 38.1113, 8.8239 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 43.1398, 38.1113, 8.8239 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 43.1398, 38.1113, 8.8239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1398, 38.1113, 8.8239.



This preview shows how white text looks on a background with the XYZ color 43.1398, 38.1113,



# 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

43.1398, 38.1113, 8.8239

### Protanopia

34.9107, 38.4135, 9.9894

### Deuteranopia

38.8819, 38.1207, 8.6769



## Tritanopia

48.4874, 38.2818, 33.6877

# Trichromacy



## Original Color

43.1398, 38.1113, 8.8239

## Protanomaly

37.4476, 37.8749, 9.4746

## Deuteranomaly

40.4115, 38.1561, 8.7250

## Tritanomaly

45.9298, 37.8948, 21.4167

# Monochromacy



## Original Color

43.1398, 38.1113, 8.8239

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

35.8818, 35.9831, 23.7931

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1398, 38.1113, 8.8239 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(227, 149, 56)` looks like.

```
.text, #text, p{  
    color:rgb(227, 149, 56)  
}
```

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(227, 149, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 149, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1398, 38.1113, 8.8239 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(227, 149, 56) }
```



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

```
.border{ border-color:rgb(227, 149, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 149, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 149, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 149, 56);  
box-shadow:4px 4px 4px 4px rgb(227, 149,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1398, 38.1113, 8.8239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 149, 56) }
```

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

```
.background{ background-color: rgb(227,  
149, 56) }
```

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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