

# Converting Colors

XYZ(39.7125, 35.6357, 9.0566)

Have a look what the booklet for  
XYZ(39.7125, 35.6357, 9.0566)  
contains.

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# Color

**XYZ(39.7098, 35.6357,  
9.0604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9923C
RGB	217, 146, 60
RGB Percent	85%, 57%, 24%
CMY	0.1490, 0.4274, 0.7647
CMYK	0.00, 0.33, 0.72, 0.15
HSL	33°, 67%, 54%
HSV	33°, 72%, 85%
XYZ	39.7098, 35.6357, 9.0604
YIQ	157.4250, 69.9220, -11.6940

# Conversions

## Conversions Part 2

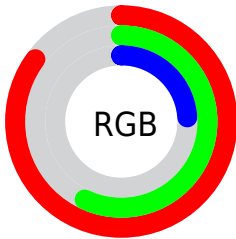
Format	Color
<a href="#">RYB</a>	<a href="#">190, 217, 60</a>
Decimal	<a href="#">14258748</a>
CIELab	<a href="#">66.24, 19.30, 54.48</a>
CIElCh	<a href="#">66, 57.796, 70.492</a>
Yxy	<a href="#">35.6357, 0.4705, 0.4222</a>
Android (android.graphics.Color)	<a href="#">4292448828 (0xFFD9923C)</a>
YUV	<a href="#">157.4250, -48.0305, 52.2473</a>
Hunter-Lab	<a href="#">59.6956, 14.2716, 32.7881</a>

# Details

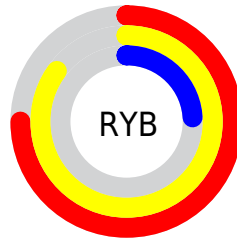
The XYZ color **39.7098, 35.6357, 9.0604** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **22.5038, 22.2021, 68.7447**, and the grayscale version is **32.4281, 34.1169, 37.1533**.

A 20% lighter version of the original color is **64.8189, 63.7384, 24.2157**, and **17.9968, 15.3525, 2.0148** is the 20% darker color. If you saturate the color by 10%, you get **37.8013, 32.5563, 6.1511**, and if you desaturate by 10%, it is **41.9849, 39.0724, 13.2523**.

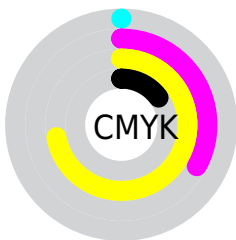
# Distribution



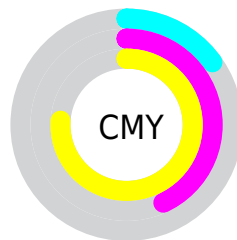
- Red (85%)
- Green (57%)
- Blue (24%)



- Red (75%)
- Yellow (85%)
- Blue (24%)



- Cyan (0%)
- Magenta (33%)
- Yellow (72%)
- Black (15%)




- Cyan (15%)
- Magenta (43%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7098, 35.6357, 9.0604 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 39.7098, 35.6357, 9.0604 by changing the saturation by 10% instead.





 39.7098, 35.6357,  
9.0604


 39.7098, 35.6357,  
9.0604


336.0543,  
327.3654, 194.0625


 27.4956, 24.1530,  
4.6832


 74.0086, 68.4694,  
24.5921

 18.0843, 15.4471,  
2.0072


 96.8238, 90.5892,  
36.5837


 11.1106, 9.1338,  
0.5597


 123.9034,  
117.0234, 51.9506

 6.2091, 4.8286,  
0.0000

 155.6127,  
148.1565, 71.1113

 3.0145, 2.1470,  
0.0000

 192.3171,  
184.3729, 94.4842

 1.1614, 0.6909,  
0.0000

 234.3819,

 0.0756, 0.0000,

226.0569, 122.4881

0.0000

282.1726,  
273.5929, 155.5413

■ 0.0000, 0.0000,  
0.0000

■ 39.7098, 35.6357,  
9.0604

■ 39.7098, 35.6357,  
9.0604

■ 37.8013, 32.5563,  
6.1511

■ 41.9849, 39.0724,  
13.2523

■ 36.2229, 29.8101,  
4.3589

■ 44.6529, 42.8776,  
18.8609

■ 35.1968, 27.9151,  
3.5331

■ 47.7399, 47.0680,  
26.0052

■ 51.2688, 51.6574,  
34.7913

■ 55.2606, 56.6588,  
45.3153

■ 59.7346, 62.0844,  
57.6663

■ 64.7092, 67.9457,  
71.9270

■ 70.2015, 74.2537,  
88.1750

■ 76.1791, 80.9996,  
106.2272

# Harmonies

## Analogous

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



48.0967, 35.6357, 15.4270



39.7098, 35.6357, 9.0604



30.9426, 35.6357, 8.3479

# Triad

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



39.7098, 35.6357, 9.0604



20.0526, 35.6357, 48.0982



45.8075, 35.6357, 87.2256

# Complementary

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



39.7098, 35.6357, 9.0604



22.5038, 22.2021, 68.7447

# 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.



36.9779, 35.6357, 106.6514



39.7098, 35.6357, 9.0604



22.7691, 35.6357, 78.4843

# Square

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



39.7098, 35.6357, 9.0604



20.5316, 35.6357, 25.0156



28.6340, 35.6357, 102.9081



52.0096, 35.6357, 56.9003



# Rectangle

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



39.7098, 35.6357, 9.0604



26.1405, 35.6357, 10.5951



28.6340, 35.6357, 102.9081



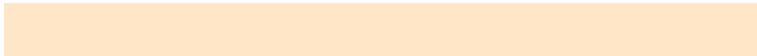
42.9917, 35.6357, 95.7280

# Sweetspot

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



39.7106, 35.6375, 9.0611



79.7316, 81.7677, 65.5524



34.4833, 19.6845, 24.2695



16.7137, 17.0661, 13.0854



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.



39.7106, 35.6375, 9.0611



53.1848, 44.7070, 7.2760



52.7125, 63.9141, 13.8337



13.6443, 14.2279, 13.7527



21.4134, 17.1123, 2.1744



1.4729, 1.2800, 0.1694



# Inverse Universe

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



22.5038, 22.2021, 68.7447



27.1340, 24.4499, 97.8969



16.3359, 9.3736, 66.5936



12.8212, 13.5821, 16.5980



10.3353, 8.5400, 40.8421



0.7549, 0.7239, 2.6744



# Previews

## White Background



This preview shows how the XYZ color 39.7098, 35.6357, 9.0604 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 39.7098, 35.6357, 9.0604 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 39.7098, 35.6357, 9.0604**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7098, 35.6357, 9.0604.



This preview shows how white text looks on a background with the XYZ color 39.7098, 35.6357,



# 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

39.7098, 35.6357, 9.0604

### Protanopia

32.6681, 35.9141, 10.0608

### Deuteranopia

36.5121, 35.6445, 8.9587



## Tritanopia

44.3363, 35.5275, 32.1245

# Trichromacy



## Original Color

39.7098, 35.6357, 9.0604

## Protanomaly

34.7780, 35.4733, 9.7167

## Deuteranomaly

37.4279, 35.3939, 8.9967

## Tritanomaly

41.9878, 35.2096, 20.8028

# Monochromacy



## Original Color

39.7098, 35.6357, 9.0604

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

33.4945, 33.7713, 23.1655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7098, 35.6357, 9.0604 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(217, 146, 60)` looks like.

```
.text, #text, p{  
    color:rgb(217, 146, 60)  
}
```

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(217, 146, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 146, 60) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7098, 35.6357, 9.0604 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(217, 146, 60) }
```



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

```
.border{ border-color:rgb(217, 146, 60) }
```

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

Here you see how a box with a 4 pixel rgb(217, 146, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 146, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 146, 60);  
box-shadow:4px 4px 4px 4px rgb(217, 146,  
60) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7098, 35.6357, 9.0604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 146, 60) }
```

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

```
.background{ background-color: rgb(217,  
146, 60) }
```

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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