

# Converting Colors

XYZ(43.2375, 39.3927, 5.5854)

Have a look what the booklet for  
XYZ(43.2375, 39.3927, 5.5854)  
contains.

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# Color

**XYZ(43.2835, 39.4618,  
5.5941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E39A09
RGB	227, 154, 9
RGB Percent	89%, 60%, 4%
CMY	0.1098, 0.3961, 0.9646
CMYK	0.00, 0.32, 0.96, 0.11
HSL	40°, 92%, 46%
HSV	40°, 96%, 89%
XYZ	43.2835, 39.4618, 5.5941
YIQ	159.2970, 90.0530, -29.6190

# Conversions

## Conversions Part 2

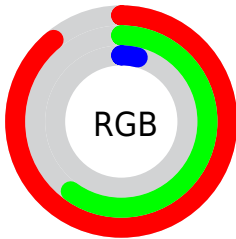
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 227, 9
Decimal	14916105
CIE Lab	69.08, 17.94, 72.35
CIE LCh	69, 74.536, 76.077
Yxy	39.4618, 0.4900, 0.4467
Android (android.graphics.Color)	4293106185 (0xFFE39A09)
YUV	159.2970, -74.0964, 59.3755
Hunter-Lab	62.8186, 13.0581, 38.6932

# Details

The XYZ color **43.2835, 39.4618, 5.5941** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **16.9958, 11.6401, 74.0236**, and the grayscale version is **33.3925, 35.1316, 38.2583**.

A 20% lighter version of the original color is **65.2072, 66.9363, 16.8803**, and **20.5761, 17.8075, 2.3527** is the 20% darker color. If you saturate the color by 10%, you get **42.7429, 38.4599, 5.1707**, and if you desaturate by 10%, it is **44.7865, 42.1361, 7.1189**.

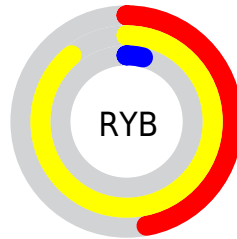
# Distribution



Red (89%)

Green (60%)

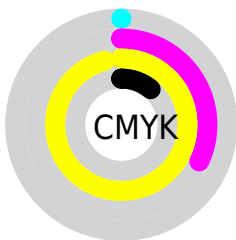
Blue (4%)



Red (47%)

Yellow (89%)

Blue (4%)

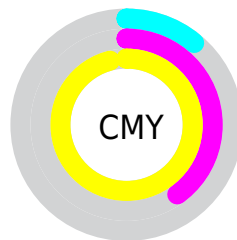


Cyan (0%)

Magenta (32%)

Yellow (96%)

Black (11%)



Cyan (11%)

Magenta (40%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2835, 39.4618, 5.5941 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 43.2835, 39.4618, 5.5941 by changing the saturation by 10% instead.



43.2835, 39.4618,  
5.5941

43.2835, 39.4618,  
5.5941

350.6781,  
343.8499, 164.5701

30.3031, 27.1192,  
2.5351

79.3915, 74.3433,  
17.5453

20.2180, 17.6627,  
0.8587

103.2499, 97.6509,  
27.2746

12.6628, 10.7081,  
0.0000

131.4650,  
125.3823, 40.0644

7.2721, 5.8709,  
0.0000

164.4021,  
157.9219, 56.3333

3.6807, 2.7668,  
0.0000

202.4266,  
195.6540, 76.4997

1.5231, 1.0112,  
0.0000

245.9039,

0.3415, 0.0000,

238.9632, 100.9823

0.0000

295.1993,  
288.2336, 130.1996

0.0000, 0.0000,  
0.0000

43.2835, 39.4618,  
5.5941

43.2835, 39.4618,  
5.5941

42.7429, 38.4599,  
5.1707

44.7865, 42.1361,  
7.1189

46.5808, 45.0547,  
9.7828

48.7066, 48.2375,  
13.7862

51.1957, 51.6993,  
19.2904

54.0755, 55.4534,  
26.4337

■ 57.3707, 59.5115,  
35.3383

■ 61.1032, 63.8845,  
46.1148

■ 65.2936, 68.5826,  
58.8648

■ 69.9608, 73.6153,  
73.6825

# Harmonies

## Analogous

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



55.7129, 39.4618, 10.9515



43.2835, 39.4618, 5.5941



31.5241, 39.4618, 5.7593

# Triad

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



43.2835, 39.4618, 5.5941



19.5449, 39.4618, 63.7758



56.5078, 39.4618, 106.2953

# Complementary

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



43.2835, 39.4618, 5.5941



16.9958, 11.6401, 74.0236

# 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.



44.2033, 39.4618, 141.6261



43.2835, 39.4618, 5.5941



23.7748, 39.4618, 109.5107

# Square

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



43.2835, 39.4618, 5.5941



19.4012, 39.4618, 29.0560



32.2692, 39.4618, 143.0417



64.3707, 39.4618, 60.7319



# Rectangle

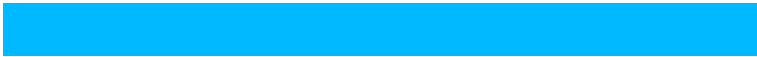
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.2835, 39.4618, 5.5941



25.5880, 39.4618, 8.7951



32.2692, 39.4618, 143.0417



52.6499, 39.4618, 120.6153

# Sweetspot

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



43.2844, 39.4638, 5.5948



77.9486, 81.3241, 55.3318



33.4282, 17.1873, 10.2146



16.2394, 16.8848, 10.5615



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.



43.2844, 39.4638, 5.5948



55.5421, 49.8641, 6.6974



49.8440, 66.4669, 10.4612



15.1738, 15.9614, 15.1856



25.0396, 22.6533, 3.0528



1.9351, 1.8434, 0.2538



# Inverse Universe

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



16.9958, 11.6401, 74.0236



21.3291, 13.7783, 96.1430



14.9060, 6.2279, 73.0890



13.9752, 14.6718, 18.2397



9.6901, 6.4423, 43.1159



0.7992, 0.6423, 3.2138



# Previews

## White Background



This preview shows how the XYZ color 43.2835, 39.4618, 5.5941 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 43.2835, 39.4618, 5.5941 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 43.2835, 39.4618, 5.5941**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2835, 39.4618, 5.5941.



This preview shows how white text looks on a background with the XYZ color 43.2835, 39.4618,



# 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

43.2835, 39.4618, 5.5941

### Protanopia

35.7750, 39.4928, 6.2676

### Deuteranopia

40.3024, 39.4378, 5.4881



## Tritanopia

49.5869, 39.4704, 35.5769

# Trichromacy



## Original Color

43.2835, 39.4618, 5.5941

## Protanomaly

38.2566, 39.4200, 6.0079

## Deuteranomaly

41.4567, 39.5204, 5.5293

## Tritanomaly

45.7377, 38.7959, 17.3896

# Monochromacy



## Original Color

43.2835, 39.4618, 5.5941

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.3228, 35.3038, 18.1020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2835, 39.4618, 5.5941 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, 154, 9)` looks like.

```
.text, #text, p{  
    color:rgb(227, 154, 9)  
}
```

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, 154, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 154, 9) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2835, 39.4618, 5.5941 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, 154, 9) }
```



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

```
.border{ border-color:rgb(227, 154, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 154, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 154, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 154, 9);  
box-shadow:4px 4px 4px 4px rgb(227, 154,  
9) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2835, 39.4618, 5.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 154, 9) }
```

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

```
.background{ background-color: rgb(227,  
154, 9) }
```

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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