

# Converting Colors

XYZ(41.9180, 34.5498, 11.9394)

Have a look what the booklet for  
XYZ(41.9180, 34.5498, 11.9394)  
contains.

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# Color

**XYZ(41.8940, 34.5037,  
11.8490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3884F
RGB	227, 136, 79
RGB Percent	89%, 53%, 31%
CMY	0.1098, 0.4666, 0.6902
CMYK	0.00, 0.40, 0.65, 0.11
HSL	23°, 73%, 60%
HSV	23°, 65%, 89%
XYZ	41.8940, 34.5037, 11.8490
YIQ	156.7110, 72.5330, 1.5650

# Conversions

## Conversions Part 2

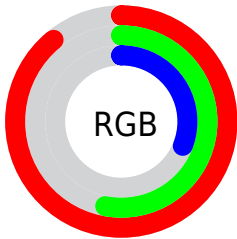
<b>Format</b>	<b>Color</b>
<b>RYB</b>	227, 172, 79
Decimal	14911567
CIELab	65.36, 29.83, 44.79
CIELCh	65, 53.813, 56.341
Yxy	34.5037, 0.4747, 0.3910
Android (android.graphics.Color)	4293101647 (0xFFE3884F)
YUV	156.7110, -38.3115, 61.6435
Hunter-Lab	58.7399, 24.5137, 29.1579

# Details

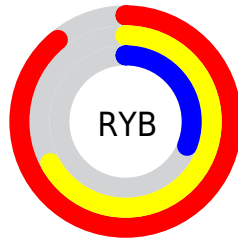
The XYZ color **41.8940, 34.5037, 11.8490** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.4634, 35.9559, 77.9545**, and the grayscale version is **32.0626, 33.7324, 36.7346**.

A 20% lighter version of the original color is **63.6827, 59.6986, 29.2856**, and **19.4192, 14.8062, 3.0627** is the 20% darker color. If you saturate the color by 10%, you get **39.3653, 30.5506, 7.6023**, and if you desaturate by 10%, it is **44.9623, 39.0851, 17.6674**.

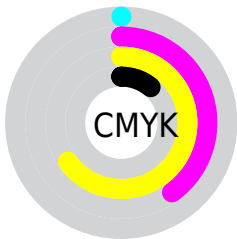
# Distribution



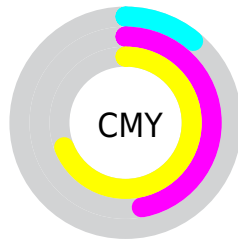
- Red (89%)
- Green (53%)
- Blue (31%)



- Red (89%)
- Yellow (67%)
- Blue (31%)



- Cyan (0%)
- Magenta (40%)
- Yellow (65%)
- Black (11%)




- Cyan (11%)
- Magenta (47%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8940, 34.5037, 11.8490 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 41.8940, 34.5037, 11.8490 by changing the saturation by 10% instead.





 41.8940, 34.5037,  
11.8490


 41.8940, 34.5037,  
11.8490


345.0424,  
322.3722, 214.3454


 29.2090, 23.2808,  
6.5197


 77.3053, 66.7162,  
29.8801


 19.3841, 14.8010,  
3.0897


 100.7624, 88.4746,  
43.4189


 12.0538, 8.6798,  
1.1406


 128.5410,  
114.5137, 60.5312

 6.8528, 4.5330,  
0.0000

 161.0063,  
145.2177, 81.6357

 3.4157, 1.9759,  
0.0000

 198.5237,  
180.9712, 107.1508

 1.3772, 0.5934,  
0.0000

241.4587,

 0.2399, 0.0000,

222.1586, 137.4951

0.0000

290.1765,  
269.1641, 173.0871

0.0000, 0.0000,  
0.0000

41.8940, 34.5037,  
11.8490

41.8940, 34.5037,  
11.8490

39.3653, 30.5506,  
7.6023

44.9623, 39.0851,  
17.6674

37.3338, 27.1888,  
4.7637

48.6030, 44.3184,  
25.1949

35.7531, 24.3845,  
3.1359

52.8486, 50.2321,  
34.5560

35.1218, 23.2177,  
2.6303

57.7283, 56.8514,  
45.8628

63.2691, 64.2001,  
59.2183

■ 69.4966, 72.3005,  
74.7184

■ 76.4347, 81.1744,  
92.4528

■ 83.1910, 90.4761,  
107.6867

■ 85.4884, 95.0708,  
108.4525

# Harmonies

## Analogous

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



48.2699, 34.5037, 21.4645



41.8940, 34.5037, 11.8490



33.7677, 34.5037, 8.8313

# Triad

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



41.8940, 34.5037, 11.8490



19.9180, 34.5037, 34.8763



39.9598, 34.5037, 91.1631

# Complementary

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



41.8940, 34.5037, 11.8490



31.4634, 35.9559, 77.9545

# 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.



31.8406, 34.5037, 99.3435



41.8940, 34.5037, 11.8490



21.0406, 34.5037, 60.2038

# Square

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



41.8940, 34.5037, 11.8490



21.7655, 34.5037, 18.3390



25.1187, 34.5037, 86.2705



47.0339, 34.5037, 66.9888



# Rectangle

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



41.8940, 34.5037, 11.8490



28.7280, 34.5037, 9.4781



25.1187, 34.5037, 86.2705



37.2283, 34.5037, 96.2059

# Sweetspot

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



41.8948, 34.5055, 11.8496



78.6991, 78.7397, 68.1771



41.7555, 24.8354, 40.7558



16.4153, 16.2822, 13.5624



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.



41.8948, 34.5055, 11.8496



50.3042, 38.2425, 8.4844



56.0705, 62.8568, 16.5749



14.8298, 15.2736, 15.0709



20.5880, 13.7502, 1.5689



1.6092, 1.1916, 0.1452



# Inverse Universe

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



31.4634, 35.9559, 77.9545



35.6844, 40.0596, 100.4592



21.2971, 15.6232, 74.5657



14.3169, 15.3552, 18.3536



13.6348, 14.3318, 44.4308



1.0969, 1.2377, 3.3131



# Previews

## White Background



This preview shows how the XYZ color 41.8940, 34.5037, 11.8490 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 41.8940, 34.5037, 11.8490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

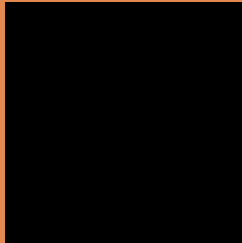
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.8940, 34.5037, 11.8490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8940, 34.5037, 11.8490.



This preview shows how white text looks on a background with the XYZ color 41.8940, 34.5037,



# 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

41.8940, 34.5037, 11.8490

### Protanopia

31.7976, 34.5984, 14.0191

### Deuteranopia

35.1016, 34.3770, 11.4420



## Tritanopia

45.3927, 34.5244, 28.3162

# Trichromacy



**Original Color**

41.8940, 34.5037, 11.8490

**Protanomaly**

34.9150, 34.2426, 13.1568

**Deuteranomaly**

37.3155, 34.3450, 11.5000

**Tritanomaly**

44.0953, 34.6099, 21.1859

# Monochromacy



**Original Color**

41.8940, 34.5037, 11.8490

**Achromatopsia**

32.0474, 33.7164, 36.7171

**Achromatomaly**

34.0013, 33.0250, 25.3513

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8940, 34.5037, 11.8490 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, 136, 79)` looks like.

```
.text, #text, p{  
    color:rgb(227, 136, 79)  
}
```

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, 136, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 136, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8940, 34.5037, 11.8490 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, 136, 79) }
```



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

```
.border{ border-color:rgb(227, 136, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 136, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 136, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 136, 79);  
box-shadow:4px 4px 4px 4px rgb(227, 136,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8940, 34.5037, 11.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 136, 79) }
```

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

```
.background{ background-color: rgb(227,  
136, 79) }
```

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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