

Converting Colors

XYZ(41.7825, 34.3743, 11.8735)

Have a look what the booklet for
XYZ(41.7825, 34.3743, 11.8735)
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

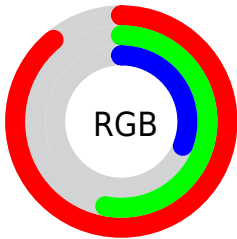
Format	Color
RYB	227, 172, 79
Decimal	14911567
CIELab	65.36, 29.83, 44.79
CIELCh	65, 53.813, 56.341
Yxy	34.5037, 0.4747, 0.3910
Android (android.graphics.Color)	4293101647 (0xFFE3884F)
YUV	156.7110, -38.3115, 61.6435
Hunter-Lab	58.7399, 24.5137, 29.1579

Details

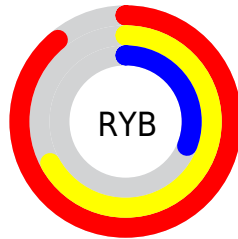
The XYZ color **41.8940, 34.5037, 11.8490** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.4634, 35.9559, 77.9545**, and the grayscale version is **32.0626, 33.7324, 36.7346**.

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**.

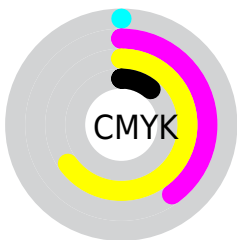
Distribution



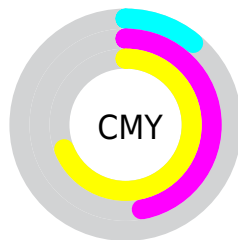
- Red (89%)
- Green (53%)
- Blue (31%)



- 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



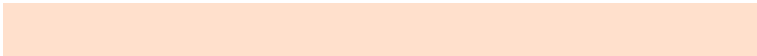
37.2283, 34.5037, 96.2059

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



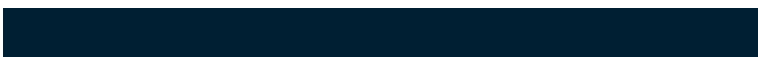
21.2971, 15.6232, 74.5657



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

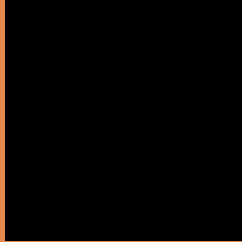
Large Text (above 18pt) WCAG AAA ✓ Pass

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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