

Converting Colors

XYZ(47.7097, 34.5779, 11.7490)

Have a look what the booklet for
XYZ(47.7097, 34.5779, 11.7490)
contains.

XYZ(47.7097, 34.5779, 11.7490)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.7097, 34.5779,
11.7490)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7950
RGB	250, 121, 80
RGB Percent	98%, 47%, 31%
CMY	0.0196, 0.5255, 0.6863
CMYK	0.00, 0.52, 0.68, 0.02
HSL	14°, 94%, 65%
HSV	14°, 68%, 98%
XYZ	47.7097, 34.5779, 11.7490
YIQ	154.8970, 90.0450, 14.5970

Conversions

Conversions Part 2

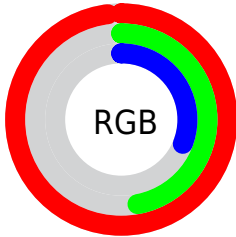
Format	Color
R _Y B	250, 134, 80
Decimal	16415056
CIE Lab	65.42, 46.43, 45.16
CIE LCh	65, 64.767, 44.209
Yxy	34.5779, 0.5074, 0.3677
Android (android.graphics.Color)	4294605136 (0xFFFA7950)
YUV	154.8970, -36.9242, 83.4053
Hunter-Lab	58.8030, 41.9205, 29.3158

Details

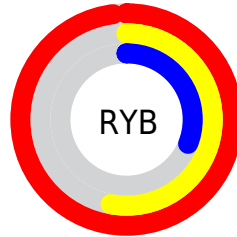
The XYZ color **47.7097, 34.5779, 11.7490** is a light color, and the websafe version is hex **CC6633**. The color can be described as light muted orange. A complement of this color would be **43.3623, 54.2050, 98.6192**, and the grayscale version is **31.2415, 32.8685, 35.7938**.

A 20% lighter version of the original color is **60.8621, 53.9494, 28.6782**, and **22.8214, 14.8033, 3.0210** is the 20% darker color. If you saturate the color by 10%, you get **44.8689, 30.1100, 7.0616**, and if you desaturate by 10%, it is **51.3488, 40.0934, 18.3973**.

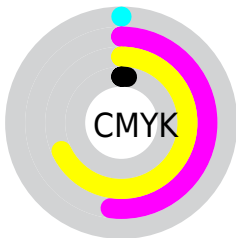
Distribution



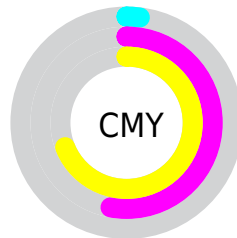
- Red (98%)
- Green (47%)
- Blue (31%)



- Red (98%)
- Yellow (53%)
- Blue (31%)



- Cyan (0%)
- Magenta (52%)
- Yellow (68%)
- Black (2%)





- Cyan (2%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7097, 34.5779, 11.7490 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 47.7097, 34.5779, 11.7490 by changing the saturation by 10% instead.


 47.7097, 34.5779,
11.7490


 47.7097, 34.5779,
11.7490


368.2421,
322.7013, 213.6551

 33.8073, 23.3379,
6.4525


 85.9843, 66.8313,
29.6947


 22.9078, 14.8432,
3.0490

 111.0873, 88.6136,
43.1809


 14.6458, 8.7094,
1.1197


 140.6546,
114.6787, 60.2342

 8.6559, 4.5521,
0.0000

 175.0514,
145.4111, 81.2731

 4.5727, 1.9870,
0.0000

 214.6432,
181.1952, 106.7161

 2.0310, 0.5999,
0.0000

259.7954,

 0.6513, 0.0000,

222.4153, 136.9817

0.0000

310.8732,
269.4558, 172.4885

■ 0.0000, 0.0000,
0.0000

■ 47.7097, 34.5779,
11.7490

■ 47.7097, 34.5779,
11.7490

■ 44.8689, 30.1100,
7.0616

■ 51.3488, 40.0934,
18.3973

■ 42.7570, 26.6147,
4.1120

■ 55.8425, 46.7137,
27.1929


■ 41.2906, 24.0129,
2.6023

■ 61.2444, 54.4980,
38.3021


■ 41.0560, 23.5876,
2.3890

■ 67.6028, 63.4999,
51.8742

■ 74.9625, 73.7694,
68.0462

 83.3654, 85.3536,
86.9446

 92.8507, 98.2971,
108.6872

 93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



53.8487, 34.5779, 26.2518



47.7097, 34.5779, 11.7490



38.0697, 34.5779, 6.4722

Triad

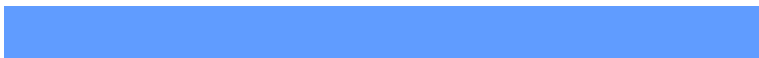
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.7097, 34.5779, 11.7490



18.2812, 34.5779, 25.1743



37.5371, 34.5779, 114.1310

Complementary

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



47.7097, 34.5779, 11.7490



43.3623, 54.2050, 98.6192

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.



28.1581, 34.5779, 113.3530



47.7097, 34.5779, 11.7490



18.1934, 34.5779, 51.9444

Square

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



47.7097, 34.5779, 11.7490



21.7402, 34.5779, 11.2872



21.4716, 34.5779, 86.9299



47.2558, 34.5779, 88.7190

Rectangle

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



47.7097, 34.5779, 11.7490



31.5477, 34.5779, 5.9239



21.4716, 34.5779, 86.9299



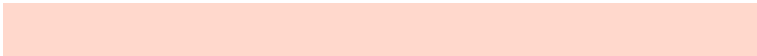
34.2190, 34.5779, 117.2032

Sweetspot

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



47.7105, 34.5798, 11.7496



76.7724, 74.8863, 67.5349



53.9673, 30.7312, 64.2780



15.9587, 15.3691, 13.4102



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.



47.7105, 34.5798, 11.7496



45.9450, 29.8842, 5.9211



62.6238, 64.4064, 16.7207



17.5845, 17.9049, 17.9916



21.8702, 12.6970, 1.2981



2.1043, 1.3334, 0.1465

Inverse Universe

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



43.3623, 54.2050, 98.6192



40.8987, 51.2515, 102.3447



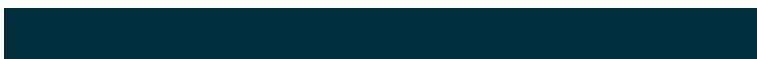
27.9396, 23.3596, 93.4783



17.3903, 18.8574, 22.1086



19.0026, 23.3607, 51.4811



1.8419, 2.3274, 4.7953

Previews

White Background



This preview shows how the XYZ color 47.7097, 34.5779, 11.7490 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 47.7097, 34.5779, 11.7490 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 47.7097, 34.5779, 11.7490

Background



This preview shows how black text looks on a background with the XYZ color 47.7097, 34.5779, 11.7490.



This preview shows how white text looks on a background with the XYZ color 47.7097, 34.5779,

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

47.7097, 34.5779, 11.7490

Protanopia

31.8295, 34.5853, 15.3540

Deuteranopia

35.4568, 34.8078, 11.1531



Tritanopia

49.9654, 34.6163, 22.7870

Trichromacy



Original Color

47.7097, 34.5779, 11.7490

Protanomaly

36.2440, 33.5119, 13.7907

Deuteranomaly

39.1483, 34.1705, 11.3697

Tritanomaly

48.9159, 34.5276, 17.9963

Monochromacy



Original Color

47.7097, 34.5779, 11.7490

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.9539, 32.1506, 24.7855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7097, 34.5779, 11.7490 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(250, 121, 80)` looks like.

```
.text, #text, p{  
    color:rgb(250, 121, 80)  
}
```

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(250, 121, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 121, 80) }
```

Border

The CSS property to change the border of an element to XYZ 47.7097, 34.5779, 11.7490 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(250, 121, 80) }
```


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

```
.border{ border-color:rgb(250, 121, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 121, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 121, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 121, 80);  
box-shadow:4px 4px 4px 4px rgb(250, 121,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7097, 34.5779, 11.7490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 121, 80) }
```

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

```
.background{ background-color: rgb(250,  
121, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor