

Converting Colors

XYZ(49.1779, 35.0209, 11.0974)

Have a look what the booklet for
XYZ(49.1779, 35.0209, 11.0974)
contains.

XYZ(49.1764, 34.9895, 11.1829)	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(49.1764, 34.9895,
11.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	FF774D
RGB	255, 119, 77
RGB Percent	100%, 47%, 30%
CMY	0.0000, 0.5333, 0.6980
CMYK	0.00, 0.53, 0.70, 0.00
HSL	14°, 100%, 65%
HSV	14°, 70%, 100%
XYZ	49.1764, 34.9895, 11.1829
YIQ	154.8760, 94.5380, 15.7700

Conversions

Conversions Part 2

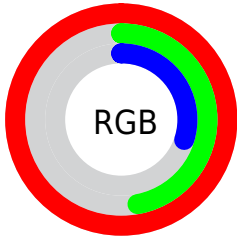
Format	Color
R_{YB}	255, 132, 77
Decimal	16742221
CIE _{Lab}	65.74, 49.07, 47.27
CIE _{LCh}	66, 68.134, 43.930
Yxy	34.9895, 0.5158, 0.3670
Android (android.graphics.Color)	4294932301 (0xFFFF774D)
YUV	154.8760, -38.3929, 87.8087
Hunter-Lab	59.1519, 44.8815, 30.1973

Details

The XYZ color **49.1764, 34.9895, 11.1829** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.9028, 56.3822, 103.1234**, and the grayscale version is **31.2372, 32.8640, 35.7889**.

A 20% lighter version of the original color is **60.2723, 53.0906, 27.4929**, and **23.8503, 15.0758, 2.8153** is the 20% darker color. If you saturate the color by 10%, you get **46.3603, 30.5271, 6.6391**, and if you desaturate by 10%, it is **52.8220, 40.5472, 17.7434**.

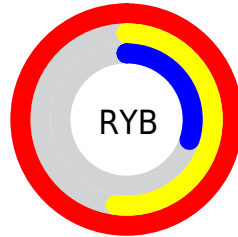
Distribution



Red (100%)

Green (47%)

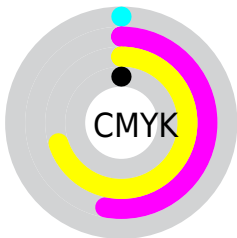
Blue (30%)



Red (100%)

Yellow (52%)

Blue (30%)

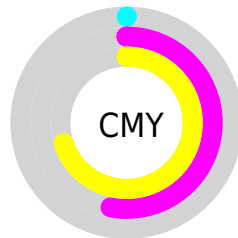


Cyan (0%)

Magenta (53%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1764, 34.9895, 11.1829 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 49.1764, 34.9895, 11.1829 by changing the saturation by 10% instead.


 49.1764, 34.9895,
11.1829


 49.1764, 34.9895,
11.1829


373.9418,
324.5220, 209.7004

 34.9745, 23.6548,
6.0743


 88.1525, 67.4695,
28.6397


 23.8097, 15.0777,
2.8208


 113.6575, 89.3836,
41.8249

 15.3165, 8.8740,
1.0039


 143.6609,
115.5929, 58.5395

 9.1296, 4.6591,
0.0000

 178.5281,
146.4819, 79.2018

 4.8836, 2.0486,
0.0000

 218.6245,
182.4349, 104.2306

 2.2132, 0.6355,
0.0000

264.3153,

 0.7497, 0.0000,

223.8363, 134.0442

0.0000

315.9659,
271.0705, 169.0613

■ 0.0000, 0.0000,
0.0000

■ 49.1764, 34.9895,
11.1829

■ 49.1764, 34.9895,
11.1829

■ 46.3603, 30.5271,
6.6391

■ 52.8220, 40.5472,
17.7434

■ 44.2982, 27.0783,
3.8692

■ 57.3583, 47.2628,
26.5220

■ 42.8880, 24.5520,
2.4930

■ 62.8431, 55.2005,
37.6970

■ 42.8650, 24.5104,
2.4718

■ 69.3284, 64.4183,
51.4283

■ 76.8622, 74.9700,
67.8618

85.4896, 86.9067,
87.1324

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



55.7173, 34.9895, 26.2835



49.1764, 34.9895, 11.1829



38.8880, 34.9895, 5.8482

Triad

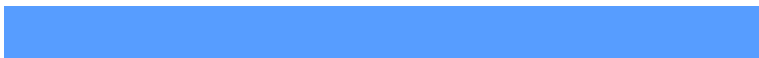
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.1764, 34.9895, 11.1829



17.9485, 34.9895, 24.7581



38.1208, 34.9895, 120.8293

Complementary

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



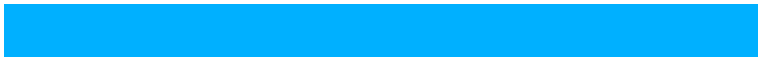
49.1764, 34.9895, 11.1829



44.9028, 56.3822, 103.1234

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.



28.1967, 34.9895, 119.6803



49.1764, 34.9895, 11.1829



17.8252, 34.9895, 53.0082

Square

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



49.1764, 34.9895, 11.1829



21.5865, 34.9895, 10.5509



21.2069, 34.9895, 90.7286



48.5182, 34.9895, 93.3551

Rectangle

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



49.1764, 34.9895, 11.1829



31.9515, 34.9895, 5.2855



21.2069, 34.9895, 90.7286



34.5965, 34.9895, 124.0856

Sweetspot

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



49.1772, 34.9914, 11.1835



75.9044, 73.6358, 65.7488



55.9633, 31.3956, 66.3720



15.7861, 15.1180, 13.0621



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.



49.1772, 34.9914, 11.1835



45.4079, 28.9610, 5.2763



65.0216, 66.6801, 16.4650



18.3573, 18.6827, 18.7829



22.4923, 12.9959, 1.3230



2.2696, 1.4245, 0.1553

Inverse Universe

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



44.9028, 56.3822, 103.1234



40.6562, 51.0868, 102.3257



28.3769, 23.3305, 97.6148



18.1702, 19.7120, 23.0971



19.7282, 24.3659, 53.0979



2.0043, 2.5394, 5.1978

Previews

White Background



This preview shows how the XYZ color 49.1764, 34.9895, 11.1829 looks on a white background.

Color Contrast Check

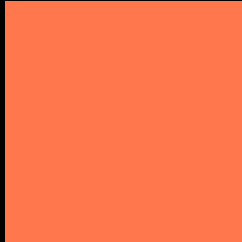
Large Text (above 18pt) WCAG AA × Fail

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 49.1764, 34.9895, 11.1829 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 49.1764, 34.9895, 11.1829

Background



This preview shows how black text looks on a background with the XYZ color 49.1764, 34.9895, 11.1829.



This preview shows how white text looks on a background with the XYZ color 49.1764, 34.9895,

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

49.1764, 34.9895, 11.1829

Protanopia

32.3636, 35.1270, 14.9720

Deuteranopia

35.6224, 34.9044, 10.6541



Tritanopia

50.9459, 34.9515, 22.8001

Trichromacy



Original Color

49.1764, 34.9895, 11.1829

Protanomaly

36.9820, 33.9018, 13.3986

Deuteranomaly

39.7941, 34.2973, 10.8260

Tritanomaly

50.0869, 34.7914, 17.7112

Monochromacy



Original Color

49.1764, 34.9895, 11.1829

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.9896, 31.9547, 24.4024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1764, 34.9895, 11.1829 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(255, 119, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 77)  
}
```

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(255, 119, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 77) }
```

Border

The CSS property to change the border of an element to XYZ 49.1764, 34.9895, 11.1829 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(255, 119, 77) }
```


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

```
.border{ border-color:rgb(255, 119, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1764, 34.9895, 11.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 77) }
```

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

```
.background{ background-color: rgb(255,  
119, 77) }
```

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