

Converting Colors

XYZ(49.3812, 34.9143, 12.7459)

Have a look what the booklet for
XYZ(49.3812, 34.9143, 12.7459)
contains.

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Color

**XYZ(49.3581, 34.8727,
12.7240)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7655
RGB	255, 118, 85
RGB Percent	100%, 46%, 33%
CMY	0.0000, 0.5372, 0.6667
CMYK	0.00, 0.54, 0.67, 0.00
HSL	12°, 100%, 67%
HSV	12°, 67%, 100%
XYZ	49.3581, 34.8727, 12.7240
YIQ	155.2010, 92.2450, 18.7810

Conversions

Conversions Part 2

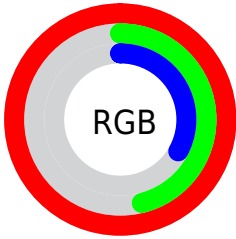
Format	Color
R _Y B	255, 126, 85
Decimal	16741973
CIE Lab	65.65, 49.96, 42.99
CIE LCh	66, 65.910, 40.717
Yxy	34.8727, 0.5091, 0.3597
Android (android.graphics.Color)	4294932053 (0xFFFF7655)
YUV	155.2010, -34.6091, 87.5237
Hunter-Lab	59.0531, 45.8519, 28.5621

Details

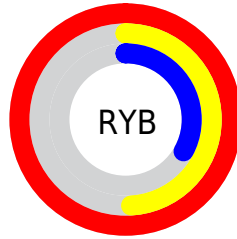
The XYZ color **49.3581, 34.8727, 12.7240** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **47.9156, 61.3898, 103.9311**, and the grayscale version is **31.3658, 32.9993, 35.9362**.

A 20% lighter version of the original color is **60.6275, 52.9247, 30.3126**, and **23.9215, 15.0132, 3.4708** is the 20% darker color. If you saturate the color by 10%, you get **46.3595, 30.2154, 7.5949**, and if you desaturate by 10%, it is **53.2502, 40.7339, 19.9512**.

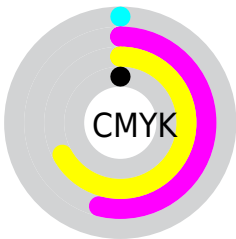
Distribution



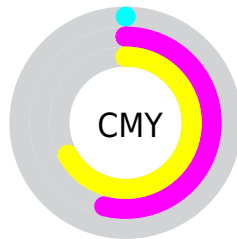
- Red (100%)
- Green (46%)
- Blue (33%)



- Red (100%)
- Yellow (49%)
- Blue (33%)



- Cyan (0%)
- Magenta (54%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3581, 34.8727, 12.7240 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 49.3581, 34.8727, 12.7240 by changing the saturation by 10% instead.


 49.3581, 34.8727,
12.7240


 49.3581, 34.8727,
12.7240

374.6440,
324.0061, 220.2865

 35.1193, 23.5648,
7.1103


 88.4206, 67.2885,
31.4909

 23.9218, 15.0111,
3.4517


 113.9751, 89.1652,
45.4812


 15.4000, 8.8272,
1.3296


 144.0321,
115.3337, 63.1008

 9.1887, 4.6286,
0.0859

 178.9571,
146.1783, 84.7681

 4.9226, 2.0311,
0.0000

 219.1155,
182.0835, 110.9019

 2.2362, 0.6254,
0.0000

264.8725,

 0.7617, 0.0000,

223.4336, 141.9205

0.0000

316.5936,
270.6130, 178.2425

■ 0.0000, 0.0000,
0.0000

■ 49.3581, 34.8727,
12.7240

■ 49.3581, 34.8727,
12.7240

■ 46.3595, 30.2154,
7.5949

■ 53.2502, 40.7339,
19.9512

■ 44.1761, 26.6706,
4.3331

■ 58.1001, 47.8702,
29.4707


■ 42.7181, 24.1421,
2.6525

■ 63.9687, 56.3541,
41.4563

■ 42.3595, 23.4995,
2.3033

■ 70.9110, 66.2508,
56.0646

■ 78.9779, 77.6210,
73.4390

 88.2171, 90.5221,
93.7127

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.



55.0161, 34.8727, 28.8911



49.3581, 34.8727, 12.7240



39.6832, 34.8727, 6.5996

Triad

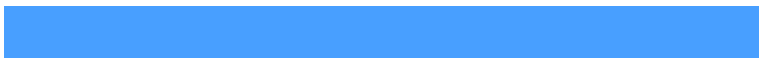
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.3581, 34.8727, 12.7240



18.4921, 34.8727, 22.9412



36.7305, 34.8727, 118.1752

Complementary

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



49.3581, 34.8727, 12.7240



47.9156, 61.3898, 103.9311

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.



27.3684, 34.8727, 113.8348



49.3581, 34.8727, 12.7240



18.0085, 34.8727, 48.7768

Square

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



49.3581, 34.8727, 12.7240



22.4213, 34.8727, 10.1955



20.9397, 34.8727, 84.4677



46.8376, 34.8727, 94.4341

Rectangle

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



49.3581, 34.8727, 12.7240



32.9129, 34.8727, 5.7122



20.9397, 34.8727, 84.4677



33.3791, 34.8727, 120.1604

Sweetspot

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



49.3589, 34.8746, 12.7246



76.1609, 73.6633, 67.3311



57.9202, 33.1298, 73.7443



15.8145, 15.0807, 13.3622



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.



49.3589, 34.8746, 12.7246



45.5453, 28.9145, 6.3125



63.8050, 63.7668, 17.5400



18.2948, 18.5578, 18.7621



22.2145, 12.4403, 1.2304



2.2342, 1.3538, 0.1436

Inverse Universe

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



47.9156, 61.3898, 103.9311



43.8154, 56.7241, 103.2473



31.0049, 27.5685, 98.2943



18.2376, 19.8467, 23.1195



21.0064, 26.9223, 53.5240



2.1185, 2.7676, 5.2358

Previews

White Background



This preview shows how the XYZ color 49.3581, 34.8727, 12.7240 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 49.3581, 34.8727, 12.7240 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 49.3581, 34.8727, 12.7240

Background



This preview shows how black text looks on a background with the XYZ color 49.3581, 34.8727, 12.7240.



This preview shows how white text looks on a background with the XYZ color 49.3581, 34.8727,

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

49.3581, 34.8727, 12.7240

Protanopia

32.3266, 35.0604, 17.1201

Deuteranopia

35.6293, 34.8768, 12.0618



Tritanopia

50.8836, 34.9266, 22.4720

Trichromacy



Original Color

49.3581, 34.8727, 12.7240

Protanomaly

36.8196, 33.7735, 15.4048

Deuteranomaly

39.7767, 34.2557, 12.3001

Tritanomaly

50.2457, 34.8549, 18.5474

Monochromacy



Original Color

49.3581, 34.8727, 12.7240

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.1881, 32.0341, 25.4477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3581, 34.8727, 12.7240 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, 118, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 85)  
}
```

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, 118, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 85) }
```

Border

The CSS property to change the border of an element to XYZ 49.3581, 34.8727, 12.7240 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, 118, 85) }
```


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

```
.border{ border-color:rgb(255, 118, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3581, 34.8727, 12.7240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 85) }
```

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

```
.background{ background-color: rgb(255,  
118, 85) }
```

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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