

Converting Colors

XYZ(58.2634, 39.1408, 14.1259)

Have a look what the booklet for
XYZ(58.2634, 39.1408, 14.1259)
contains.

XYZ(49.3309, 34.4890, 13.7299)	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(49.3309, 34.4890,
13.7299)**

Conversions

Conversions Part 1

Format	Color
Hex	FF745A
RGB	255, 116, 90
RGB Percent	100%, 45%, 35%
CMY	0.0000, 0.5451, 0.6471
CMYK	0.00, 0.55, 0.65, 0.00
HSL	9°, 100%, 68%
HSV	9°, 65%, 100%
XYZ	49.3309, 34.4890, 13.7299
YIQ	154.5970, 91.1900, 21.3820

Conversions

Conversions Part 2

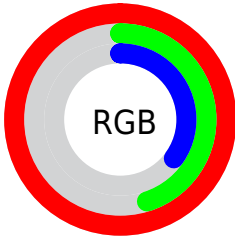
Format	Color
R_{YB}	255, 121, 90
Decimal	16741466
CIE _{Lab}	65.35, 51.18, 39.96
CIE _{LCh}	65, 64.933, 37.987
Yxy	34.4890, 0.5057, 0.3536
Android (android.graphics.Color)	4294931546 (0xFFFF745A)
YUV	154.5970, -31.8463, 88.0534
Hunter-Lab	58.7273, 47.1670, 27.2477

Details

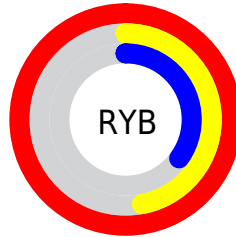
The XYZ color **49.3309, 34.4890, 13.7299** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **50.2836, 65.4279, 104.5859**, and the grayscale version is **31.0868, 32.7058, 35.6166**.

A 20% lighter version of the original color is **60.6106, 52.3089, 32.1014**, and **23.8969, 14.8261, 3.8877** is the 20% darker color. If you saturate the color by 10%, you get **46.2294, 29.7355, 8.2286**, and if you desaturate by 10%, it is **53.3786, 40.5400, 21.3829**.

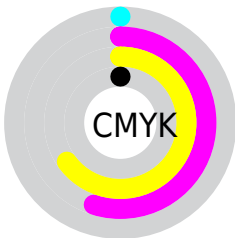
Distribution



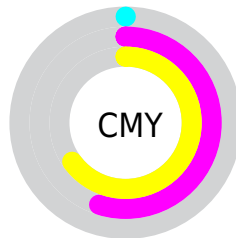
- Red (100%)
- Green (45%)
- Blue (35%)



- Red (100%)
- Yellow (47%)
- Blue (35%)



- Cyan (0%)
- Magenta (55%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3309, 34.4890, 13.7299 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 49.3309, 34.4890, 13.7299 by changing the saturation by 10% instead.


 49.3309, 34.4890,
13.7299


 49.3309, 34.4890,
13.7299


374.5389,
322.3070, 226.9137


 35.0977, 23.2695,
7.7964


 88.3805, 66.6934,
33.3192

 23.9050, 14.7926,
3.8791


 113.9275, 88.4471,
47.8121

 15.3875, 8.6740,
1.5592


 143.9766,
114.4810, 65.9953

 9.1799, 4.5292,
0.2615

 178.8929,
145.1794, 88.2873

 4.9167, 1.9737,
0.0000

219.0420,
180.9269, 115.1065

 2.2327, 0.5922,
0.0000

264.7891,

 0.7599, 0.0000,

222.1077, 146.8717

0.0000

316.4997,
269.1063, 184.0012

■ 0.0000, 0.0000,
0.0000

■ 49.3309, 34.4890,
13.7299

■ 49.3309, 34.4890,
13.7299

■ 46.2294, 29.7355,
8.2286

■ 53.3786, 40.5400,
21.3829

■ 43.9917, 26.1777,
4.6538

■ 58.4406, 47.9689,
31.3785

■ 42.5245, 23.7078,
2.7327

■ 64.5811, 56.8562,
43.8884

■ 42.0051, 22.7906,
2.1851

■ 71.8587, 67.2744,
59.0677

■ 80.3273, 79.2913,
77.0589

90.0374, 92.9706,
97.9944

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



54.3249, 34.4890, 30.7621



49.3309, 34.4890, 13.7299



40.0915, 34.4890, 6.9836

Triad

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



49.3309, 34.4890, 13.7299



18.6299, 34.4890, 21.1996



35.3768, 34.4890, 116.5012

Complementary

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



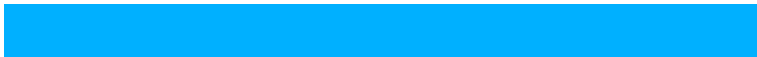
49.3309, 34.4890, 13.7299



50.2836, 65.4279, 104.5859

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.



26.4176, 34.4890, 109.6290



49.3309, 34.4890, 13.7299



17.8512, 34.4890, 45.2755

Square

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



49.3309, 34.4890, 13.7299



22.8011, 34.4890, 9.6207



20.4204, 34.4890, 79.6691



45.3155, 34.4890, 95.4829

Rectangle

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



49.3309, 34.4890, 13.7299



33.4247, 34.4890, 5.8259



20.4204, 34.4890, 79.6691



32.1451, 34.4890, 117.5117

Sweetspot

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



49.3317, 34.4909, 13.7305



76.5414, 73.9308, 68.9793



59.2141, 34.2997, 78.5465



15.8700, 15.0959, 13.6760



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.



49.3317, 34.4909, 13.7305



45.4011, 28.4362, 6.8500



63.1084, 62.0443, 18.3227



18.2405, 18.4492, 18.7440



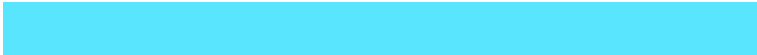
22.0167, 12.0447, 1.1645



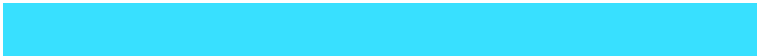
2.2072, 1.2998, 0.1345

Inverse Universe

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



50.2836, 65.4279, 104.5859



46.2479, 61.1864, 103.9804



32.8173, 30.4954, 98.7638



18.2967, 19.9650, 23.1392



22.1947, 29.2990, 53.9201



2.2236, 2.9780, 5.2709

Previews

White Background



This preview shows how the XYZ color 49.3309, 34.4890, 13.7299 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 49.3309, 34.4890, 13.7299 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 49.3309, 34.4890, 13.7299

Background



This preview shows how black text looks on a background with the XYZ color 49.3309, 34.4890, 13.7299.



This preview shows how white text looks on a background with the XYZ color 49.3309, 34.4890,

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

49.3309, 34.4890, 13.7299

Protanopia

32.0129, 34.6075, 18.6283

Deuteranopia

35.2952, 34.6831, 13.0179



Tritanopia

50.5353, 34.4263, 21.7507

Trichromacy



Original Color

49.3309, 34.4890, 13.7299

Protanomaly

36.4798, 33.1216, 16.5270

Deuteranomaly

39.5276, 33.8888, 13.2620

Tritanomaly

50.0176, 34.3988, 18.4714

Monochromacy



Original Color

49.3309, 34.4890, 13.7299

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.1075, 31.7648, 25.7536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3309, 34.4890, 13.7299 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, 116, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 90)  
}
```

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, 116, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 90) }
```

Border

The CSS property to change the border of an element to XYZ 49.3309, 34.4890, 13.7299 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, 116, 90) }
```


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

```
.border{ border-color:rgb(255, 116, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3309, 34.4890, 13.7299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 90) }
```

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

```
.background{ background-color: rgb(255,  
116, 90) }
```

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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