

Converting Colors

XYZ(62.2271, 40.8186, 15.3780)

Have a look what the booklet for
XYZ(62.2271, 40.8186, 15.3780)
contains.

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Color

**XYZ(49.3229, 34.1209,
14.8129)**

Conversions

Conversions Part 1

Format	Color
Hex	FF725F
RGB	255, 114, 95
RGB Percent	100%, 45%, 37%
CMY	0.0000, 0.5529, 0.6274
CMYK	0.00, 0.55, 0.63, 0.00
HSL	7°, 100%, 69%
HSV	7°, 63%, 100%
XYZ	49.3229, 34.1209, 14.8129
YIQ	153.9930, 90.1350, 23.9830

Conversions

Conversions Part 2

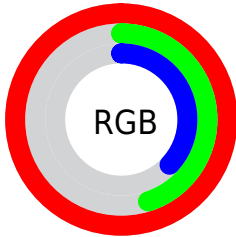
Format	Color
R _Y B	255, 117, 95
Decimal	16740959
CIE Lab	65.06, 52.41, 36.89
CIE LCh	65, 64.091, 35.145
Yxy	34.1209, 0.5020, 0.3473
Android (android.graphics.Color)	4294931039 (0xFFFF725F)
YUV	153.9930, -29.0835, 88.5831
Hunter-Lab	58.4131, 48.4991, 25.8539

Details

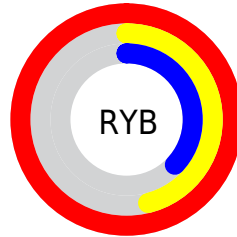
The XYZ color **49.3229, 34.1209, 14.8129** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **52.7624, 69.6390, 105.2680**, and the grayscale version is **30.8093, 32.4138, 35.2986**.

A 20% lighter version of the original color is **60.6163, 51.7113, 33.9806**, and **23.8357, 14.5478, 4.3480** is the 20% darker color. If you saturate the color by 10%, you get **46.1169, 29.2704, 8.9313**, and if you desaturate by 10%, it is **53.5323, 40.3718, 22.9003**.

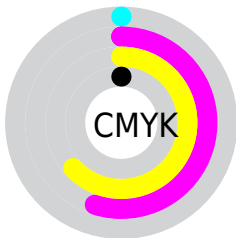
Distribution



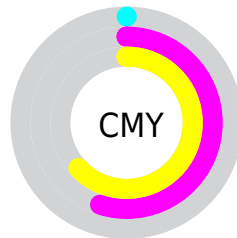
- Red (100%)
- Green (45%)
- Blue (37%)



- Red (100%)
- Yellow (46%)
- Blue (37%)



- Cyan (0%)
- Magenta (55%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3229, 34.1209, 14.8129 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 49.3229, 34.1209, 14.8129 by changing the saturation by 10% instead.


 49.3229, 34.1209,
14.8129


 49.3229, 34.1209,
14.8129

374.5080,
320.6708, 233.8326

 35.0913, 22.9865,
8.5430


 88.3687, 66.1216,
35.2623

 23.9000, 14.5835,
4.3516


 113.9136, 87.7568,
50.2788

 15.3838, 8.5276,
1.8202


 143.9602,
113.6609, 69.0480

 9.1773, 4.4344,
0.4412

 178.8741,
144.2185, 91.9884

 4.9150, 1.9194,
0.0000

219.0204,
179.8138, 119.5185

 2.2317, 0.5600,
0.0000

264.7646,

 0.7594, 0.0000,

220.8314, 152.0569

0.0000

316.4720,
267.6556, 190.0221

■ 0.0000, 0.0000,
0.0000

■ 49.3229, 34.1209,
14.8129

■ 49.3229, 34.1209,
14.8129

■ 46.1169, 29.2704,
8.9313

■ 53.5323, 40.3718,
22.9003

■ 43.8267, 25.7063,
5.0349

■ 58.8177, 48.1143,
33.3816

■ 42.3536, 23.3062,
2.8603

■ 65.2479, 57.4384,
46.4267

■ 41.7115, 22.2034,
2.0872

■ 72.8849, 68.4252,
62.1899

■ 81.7867, 81.1504,
80.8128

92.0070, 95.6850,
102.4274

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.



53.6513, 34.1209, 32.7545



49.3229, 34.1209, 14.8129



40.5258, 34.1209, 7.3955

Triad

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



49.3229, 34.1209, 14.8129



18.7828, 34.1209, 19.5429



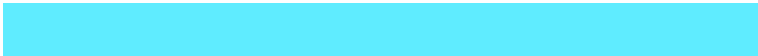
34.0577, 34.1209, 114.8500

Complementary

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



49.3229, 34.1209, 14.8129



52.7624, 69.6390, 105.2680

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.



25.4928, 34.1209, 105.5055



49.3229, 34.1209, 14.8129



17.7054, 34.1209, 41.9262

Square

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



49.3229, 34.1209, 14.8129



23.2040, 34.1209, 9.0706



19.9169, 34.1209, 75.0251



43.8274, 34.1209, 96.5786

Rectangle

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



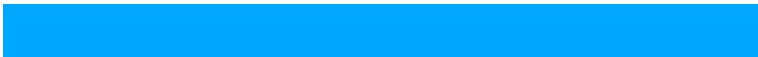
49.3229, 34.1209, 14.8129



33.9651, 34.1209, 5.9499



19.9169, 34.1209, 75.0251



30.9436, 34.1209, 114.8978

Sweetspot

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



49.3237, 34.1228, 14.8135



76.0675, 72.9830, 68.8214



60.5208, 35.5200, 83.2770



15.7578, 14.8715, 13.6386



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.



49.3237, 34.1228, 14.8135



45.5238, 28.3583, 7.8876



62.5231, 60.5215, 19.2133



18.1831, 18.3345, 18.7249



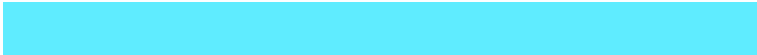
21.8497, 11.7106, 1.1088



2.1803, 1.2460, 0.1256

Inverse Universe

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



52.7624, 69.6390, 105.2680



49.0835, 66.1724, 104.7933



34.7139, 33.5421, 99.2518



18.3598, 20.0912, 23.1603



23.5321, 31.9738, 54.3659



2.3411, 3.2128, 5.3100

Previews

White Background



This preview shows how the XYZ color 49.3229, 34.1209, 14.8129 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 49.3229, 34.1209, 14.8129 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 49.3229, 34.1209, 14.8129

Background



This preview shows how black text looks on a background with the XYZ color 49.3229, 34.1209, 14.8129.



This preview shows how white text looks on a background with the XYZ color 49.3229, 34.1209,

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

49.3229, 34.1209, 14.8129

Protanopia

31.9461, 34.2815, 20.2625

Deuteranopia

34.8204, 34.1753, 13.9938



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

49.3229, 34.1209, 14.8129

Protanomaly

36.6316, 32.9432, 18.0636

Deuteranomaly

39.2957, 33.5312, 14.2986

Tritanomaly

49.9596, 34.1960, 18.7192

Monochromacy



Original Color

49.3229, 34.1209, 14.8129

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.9521, 31.2351, 26.3771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3229, 34.1209, 14.8129 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, 114, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 95)  
}
```

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, 114, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 95) }
```

Border

The CSS property to change the border of an element to XYZ 49.3229, 34.1209, 14.8129 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, 114, 95) }
```


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

```
.border{ border-color:rgb(255, 114, 95) }
```

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

Here you see how a box with a 4 pixel rgb(255, 114, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3229, 34.1209, 14.8129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 95) }
```

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

```
.background{ background-color: rgb(255,  
114, 95) }
```

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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