

Converting Colors

XYZ(78.6496, 49.2971, 14.8996)

Have a look what the booklet for
XYZ(78.6496, 49.2971, 14.8996)
contains.

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Color

**XYZ(49.0605, 34.0159,
13.4311)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7259
RGB	255, 114, 89
RGB Percent	100%, 45%, 35%
CMY	0.0000, 0.5529, 0.6510
CMYK	0.00, 0.55, 0.65, 0.00
HSL	9°, 100%, 67%
HSV	9°, 65%, 100%
XYZ	49.0605, 34.0159, 13.4311
YIQ	153.3090, 92.0610, 22.1170

Conversions

Conversions Part 2

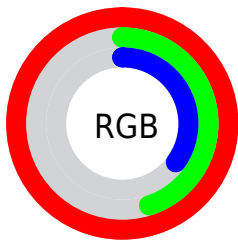
Format	Color
R _Y B	255, 118, 89
Decimal	16740953
CIE Lab	64.98, 52.05, 40.05
CIE LCh	65, 65.679, 37.578
Yxy	34.0159, 0.5084, 0.3525
Android (android.graphics.Color)	4294931033 (0xFFFF7259)
YUV	153.3090, -31.7043, 89.1830
Hunter-Lab	58.3232, 48.0858, 27.1725

Details

The XYZ color **49.0605, 34.0159, 13.4311** 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 **50.4643, 65.9328, 104.6738**, and the grayscale version is **30.5199, 32.1093, 34.9671**.

A 20% lighter version of the original color is **60.1616, 51.5294, 31.5862**, and **23.7201, 14.5016, 3.7394** is the 20% darker color. If you saturate the color by 10%, you get **46.0086, 29.3395, 8.0146**, and if you desaturate by 10%, it is **53.0630, 40.0009, 20.9937**.

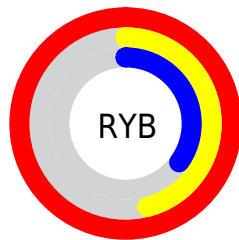
Distribution



Red (100%)

Green (45%)

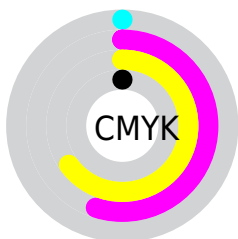
Blue (35%)



Red (100%)

Yellow (46%)

Blue (35%)

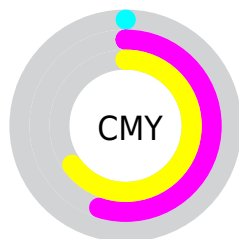


Cyan (0%)

Magenta (55%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0605, 34.0159, 13.4311 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 49.0605, 34.0159, 13.4311 by changing the saturation by 10% instead.


 49.0605, 34.0159,
13.4311


 49.0605, 34.0159,
13.4311


373.4935,
320.2029, 224.9664

 34.8822, 22.9058,
7.5919


 87.9815, 65.9584,
32.7786

 23.7382, 14.5240,
3.7509

 113.4549, 87.5596,
47.1239


 15.2632, 8.4860,
1.4897


 143.4240,
113.4266, 65.1417

 9.0919, 4.4075,
0.2102

 178.2543,
143.9439, 87.2505

 4.8587, 1.9040,
0.0000

 218.3110,
179.4957, 113.8688

 2.1985, 0.5508,
0.0000

263.9595,

 0.7420, 0.0000,

220.4666, 145.4152

0.0000

315.5652,
267.2409, 182.3082

■ 0.0000, 0.0000,
0.0000

■ 49.0605, 34.0159,
13.4311

■ 49.0605, 34.0159,
13.4311

■ 46.0086, 29.3395,
8.0146

■ 53.0630, 40.0009,
20.9937

■ 43.8233, 25.8672,
4.5169

■ 58.0856, 47.3776,
30.8946

■ 42.4090, 23.4871,
2.6624

■ 64.1939, 56.2285,
43.3066

■ 41.9463, 22.6729,
2.1655

■ 71.4472, 66.6282,
58.3855

■ 79.9005, 78.6460,
76.2746

89.6052, 92.3474,
97.1070

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.



54.0080, 34.0159, 30.5632



49.0605, 34.0159, 13.4311



39.8045, 34.0159, 6.6847

Triad

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



49.0605, 34.0159, 13.4311



18.2239, 34.0159, 20.4633



34.7982, 34.0159, 116.7713

Complementary

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



49.0605, 34.0159, 13.4311



50.4643, 65.9328, 104.6738

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.



25.8571, 34.0159, 109.4160



49.0605, 34.0159, 13.4311



17.4037, 34.0159, 44.3671

Square

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



49.0605, 34.0159, 13.4311



22.4290, 34.0159, 9.1367



19.9161, 34.0159, 78.9344



44.7878, 34.0159, 95.8288

Rectangle

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



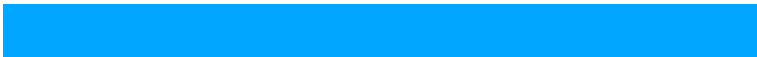
49.0605, 34.0159, 13.4311



33.1086, 34.0159, 5.5135



19.9161, 34.0159, 78.9344



31.5658, 34.0159, 117.6546

Sweetspot

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



49.0613, 34.0178, 13.4317



75.6034, 72.5484, 67.1452



59.1092, 34.1236, 78.4074



15.6834, 14.8184, 13.3185



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.



49.0613, 34.0178, 13.4317



45.2892, 28.2124, 6.8127



62.9865, 61.8683, 18.0734



18.2302, 18.4286, 18.7406



21.9836, 11.9783, 1.1534



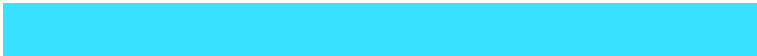
2.2024, 1.2901, 0.1329

Inverse Universe

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



50.4643, 65.9328, 104.6738



46.6213, 61.9333, 104.1049



32.6192, 30.2425, 98.7254



18.3080, 19.9876, 23.1430



22.4291, 29.7679, 53.9982



2.2443, 3.0193, 5.2778

Previews

White Background



This preview shows how the XYZ color 49.0605, 34.0159, 13.4311 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 49.0605, 34.0159, 13.4311 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 49.0605, 34.0159, 13.4311

Background



This preview shows how black text looks on a background with the XYZ color 49.0605, 34.0159, 13.4311.



This preview shows how white text looks on a background with the XYZ color 49.0605, 34.0159,

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

49.0605, 34.0159, 13.4311

Protanopia

31.5712, 34.1316, 18.2887

Deuteranopia

34.8377, 34.2117, 12.7500



Tritanopia

50.1945, 33.9369, 21.0445

Trichromacy



Original Color

49.0605, 34.0159, 13.4311

Protanomaly

36.2823, 32.8034, 16.2238

Deuteranomaly

39.0471, 33.4318, 12.9893

Tritanomaly

49.6880, 33.9099, 17.8363

Monochromacy



Original Color

49.0605, 34.0159, 13.4311

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.4971, 31.0241, 25.2891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0605, 34.0159, 13.4311 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 89) }
```

Border

The CSS property to change the border of an element to XYZ 49.0605, 34.0159, 13.4311 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, 89) }
```


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

```
.border{ border-color:rgb(255, 114, 89) }
```

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, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0605, 34.0159, 13.4311 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, 89) }
```

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

```
.background{ background-color: rgb(255,  
114, 89) }
```

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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