

Converting Colors

XYZ(49.9944, 34.0713, 19.3301)

Have a look what the booklet for
XYZ(49.9944, 34.0713, 19.3301)
contains.

XYZ(49.9588, 34.0182, 19.2623)	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(49.9588, 34.0182,
19.2623)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7070
RGB	255, 112, 112
RGB Percent	100%, 44%, 44%
CMY	0.0000, 0.5607, 0.5608
CMYK	0.00, 0.56, 0.56, 0.00
HSL	0°, 100%, 72%
HSV	0°, 56%, 100%
XYZ	49.9588, 34.0182, 19.2623
YIQ	154.7570, 85.2280, 30.3160

Conversions

Conversions Part 2

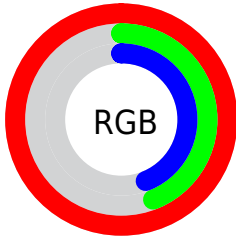
Format	Color
R _Y B	255, 112, 112
Decimal	16740464
CIE Lab	64.98, 54.48, 27.34
CIE LCh	65, 60.954, 26.651
Yxy	34.0182, 0.4839, 0.3295
Android (android.graphics.Color)	4294930544 (0xFFFF7070)
YUV	154.7570, -21.0792, 87.9131
Hunter-Lab	58.3251, 50.8265, 21.2466

Details

The XYZ color **49.9588, 34.0182, 19.2623** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **60.4895, 82.1795, 107.2814**, and the grayscale version is **31.1134, 32.7337, 35.6470**.

A 20% lighter version of the original color is **61.9435, 51.9456, 41.8837**, and **24.3319, 14.5360, 6.3738** is the 20% darker color. If you saturate the color by 10%, you get **46.3085, 28.6772, 12.0048**, and if you desaturate by 10%, it is **54.8091, 41.1164, 28.9032**.

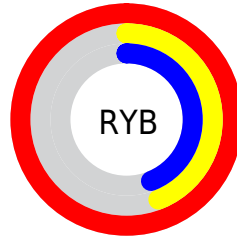
Distribution



Red (100%)

Green (44%)

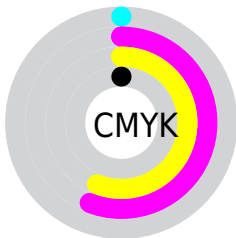
Blue (44%)



Red (100%)

Yellow (44%)

Blue (44%)

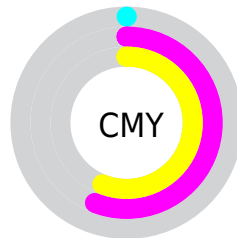


Cyan (0%)

Magenta (56%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9588, 34.0182, 19.2623 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 49.9588, 34.0182, 19.2623 by changing the saturation by 10% instead.


 49.9588, 34.0182,
19.2623


 49.9588, 34.0182,
19.2623


376.9595,
320.2132, 260.3638

 35.5983, 22.9076,
11.6812


 89.3060, 65.9620,
43.0194


 24.2928, 14.5253,
6.4071


 115.0235, 87.5639,
60.0326

 15.6769, 8.4869,
3.0214


 145.2573,
113.4317, 81.0269

 9.3852, 4.4081,
1.1056

 180.3729,
143.9499, 106.4208

 5.0524, 1.9043,
0.0000

220.7355,
179.5027, 136.6329

 2.3131, 0.5510,
0.0000

266.7106,

 0.8014, 0.0000,

220.4746, 172.0818

0.0000

318.6634,
267.2500, 213.1859

■ 0.0000, 0.0000,
0.0000

■ 49.9588, 34.0182,
19.2623

■ 49.9588, 34.0182,
19.2623

■ 46.3085, 28.6772,
12.0048

■ 54.8091, 41.1164,
28.9032

■ 43.7515, 24.9356,
6.9221

■ 60.9490, 50.1008,
41.1088

■ 42.1669, 22.6167,
3.7724

■ 68.4622, 61.0947,
56.0446

■ 41.4033, 21.4992,
2.2548

■ 77.4248, 74.2096,
73.8620

■ 41.2400, 21.2602,
1.9300

■ 87.9074, 89.5486,
94.7011

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.



52.3632, 34.0182, 39.9466



49.9588, 34.0182, 19.2623



42.5680, 34.0182, 9.4977

Triad

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



49.9588, 34.0182, 19.2623



20.1469, 34.0182, 16.2595



31.3539, 34.0182, 109.6446

Complementary

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



49.9588, 34.0182, 19.2623



60.4895, 82.1795, 107.2814

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.



23.8865, 34.0182, 94.1410



49.9588, 34.0182, 19.2623



18.1996, 34.0182, 34.2780

Square

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



49.9588, 34.0182, 19.2623



25.3146, 34.0182, 8.3992



19.4337, 34.0182, 63.3409



40.5424, 34.0182, 99.5177

Rectangle

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



49.9588, 34.0182, 19.2623



36.4040, 34.0182, 7.0495



19.4337, 34.0182, 63.3409



28.5780, 34.0182, 107.1327

Sweetspot

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



49.9596, 34.0201, 19.2629



76.5362, 72.9092, 72.0951



65.0840, 40.0684, 98.9110



15.9768, 15.0128, 14.6261



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.



49.9596, 34.0201, 19.2629



46.0288, 28.2679, 11.4486



61.2013, 56.5035, 23.0101



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

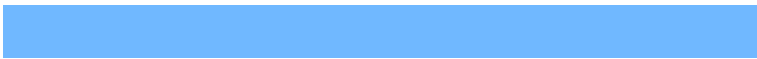
The Inverse Universe completely reimagines the original color for something new.



60.4895, 82.1795, 107.2814



57.4766, 80.6258, 107.1407



41.7690, 44.7385, 101.0412



18.5549, 20.4813, 23.2253



28.1146, 41.1388, 55.8934



2.7374, 4.0056, 5.4422

Previews

White Background



This preview shows how the XYZ color 49.9588, 34.0182, 19.2623 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 49.9588, 34.0182, 19.2623 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 49.9588, 34.0182, 19.2623

Background



This preview shows how black text looks on a background with the XYZ color 49.9588, 34.0182, 19.2623.



This preview shows how white text looks on a background with the XYZ color 49.9588, 34.0182,

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

49.9588, 34.0182, 19.2623

Protanopia

32.3281, 34.3352, 26.7533

Deuteranopia

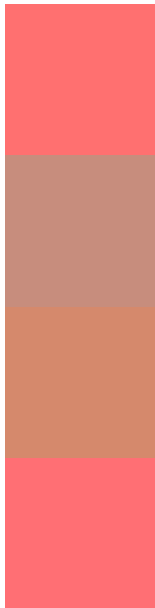
34.6027, 33.9720, 18.0981



Tritanopia

50.2542, 33.9608, 21.3592

Trichromacy



Original Color

49.9588, 34.0182, 19.2623

Protanomaly

36.7797, 32.6725, 23.7700

Deuteranomaly

39.0930, 33.1202, 18.5198

Tritanomaly

50.0768, 33.8898, 20.4250

Monochromacy



Original Color

49.9588, 34.0182, 19.2623

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.3787, 31.4057, 28.6233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9588, 34.0182, 19.2623 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, 112, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 112)  
}
```

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, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 112) }
```

Border

The CSS property to change the border of an element to XYZ 49.9588, 34.0182, 19.2623 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, 112, 112) }
```


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

```
.border{ border-color:rgb(255, 112, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9588, 34.0182, 19.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 112) }
```

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

```
.background{ background-color: rgb(255,  
112, 112) }
```

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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