

# Converting Colors

XYZ(50.5549, 34.8894, 20.4503)

Have a look what the booklet for  
XYZ(50.5549, 34.8894, 20.4503)  
contains.

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# Color

**XYZ(50.6378, 35.0117,  
20.6120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7474
RGB	255, 116, 116
RGB Percent	100%, 45%, 45%
CMY	0.0000, 0.5451, 0.5451
CMYK	0.00, 0.55, 0.55, 0.00
HSL	0°, 100%, 73%
HSV	0°, 55%, 100%
XYZ	50.6378, 35.0117, 20.6120
YIQ	157.5610, 82.8440, 29.4680

# Conversions

## Conversions Part 2

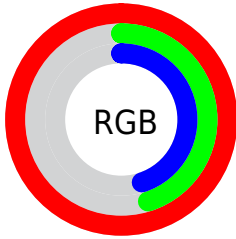
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 116, 116</a>
Decimal	<a href="#">16741492</a>
CIELab	<a href="#">65.76, 52.93, 26.12</a>
CIElCh	<a href="#">66, 59.028, 26.268</a>
Yxy	<a href="#">35.0117, 0.4765, 0.3295</a>
Android (android.graphics.Color)	<a href="#">4294931572</a> ( <a href="#">0xFFFF7474</a> )
YUV	<a href="#">157.5610, -20.4896, 85.4540</a>
Hunter-Lab	<a href="#">59.1707, 49.2102, 20.7659</a>

# Details

The XYZ color **50.6378, 35.0117, 20.6120** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **61.0101, 82.4482, 107.3060**, and the grayscale version is **32.3653, 34.0508, 37.0813**.

A 20% lighter version of the original color is **63.0604, 53.5922, 44.0665**, and **24.7045, 15.0923, 7.0799** is the 20% darker color. If you saturate the color by 10%, you get **46.8060, 29.4053, 12.9939**, and if you desaturate by 10%, it is **55.6847, 42.3975, 30.6438**.

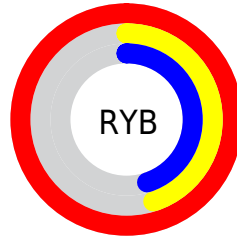
# Distribution



Red (100%)

Green (45%)

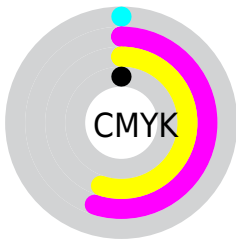
Blue (45%)



Red (100%)

Yellow (45%)

Blue (45%)

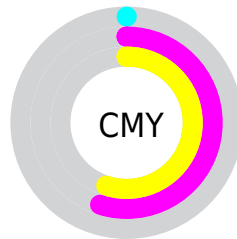


Cyan (0%)

Magenta (55%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (55%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6378, 35.0117, 20.6120 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 50.6378, 35.0117, 20.6120 by changing the saturation by 10% instead.





 50.6378, 35.0117,  
20.6120


 50.6378, 35.0117,  
20.6120


379.5658,  
324.6200, 267.9222

 36.1403, 23.6719,  
12.6522


 90.3053, 67.5039,  
45.3133

 24.7132, 15.0904,  
7.0616


 116.2061, 89.4251,  
62.8918

 15.9911, 8.8829,  
3.4216


 146.6386,  
115.6421, 84.5137

 9.6087, 4.6649,  
1.3137

181.9683,  
146.5395, 110.5975

 5.2005, 2.0520,  
0.0730

222.5606,  
182.5016, 141.5617

 2.4014, 0.6374,  
0.0000

268.7806,

 0.8458, 0.0000,

223.9128, 177.8249

0.0000

320.9939,  
271.1574, 219.8055

■ 0.0000, 0.0000,  
0.0000

■ 50.6378, 35.0117,  
20.6120

■ 50.6378, 35.0117,  
20.6120

■ 46.8060, 29.4053,  
12.9939

■ 55.6847, 42.3975,  
30.6438

■ 44.0850, 25.4235,  
7.5849

■ 62.0347, 51.6894,  
43.2671

■ 42.3569, 22.8947,  
4.1499

■ 69.7704, 63.0090,  
58.6452

■ 41.4764, 21.6061,  
2.3998

■ 78.9670, 76.4661,  
76.9276

■ 41.2400, 21.2602,  
1.9300

■ 89.6941, 92.1630,  
98.2529

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



52.9086, 35.0117, 41.3244



50.6378, 35.0117, 20.6120



43.4539, 35.0117, 10.5538

# Triad

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



50.6378, 35.0117, 20.6120



21.2180, 35.0117, 17.2326



32.2011, 35.0117, 108.6616

# Complementary

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



50.6378, 35.0117, 20.6120



61.0101, 82.4482, 107.3060

# 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.



24.8287, 35.0117, 93.4302



50.6378, 35.0117, 20.6120



19.2247, 35.0117, 35.0891

# Square

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



50.6378, 35.0117, 20.6120



26.4119, 35.0117, 9.2845



20.4220, 35.0117, 63.4878



41.2405, 35.0117, 99.2114



# Rectangle

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



50.6378, 35.0117, 20.6120



37.4069, 35.0117, 7.9582



20.4220, 35.0117, 63.4878



29.4639, 35.0117, 106.1338

# Sweetspot

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



50.6387, 35.0136, 20.6126



77.5009, 74.3208, 74.0129



65.5353, 40.9709, 99.0616



16.1668, 15.2909, 15.0038



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.



50.6387, 35.0136, 20.6126



46.6476, 29.1734, 12.6787



61.8461, 57.4285, 24.3484



18.0095, 17.9872, 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.



61.0101, 82.4482, 107.3060



57.9511, 80.8707, 107.1630



42.7063, 45.8407, 101.2048



18.5549, 20.4813, 23.2253



28.1147, 41.1390, 55.8934



2.7375, 4.0056, 5.4422



# Previews

## White Background



This preview shows how the XYZ color 50.6378, 35.0117, 20.6120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

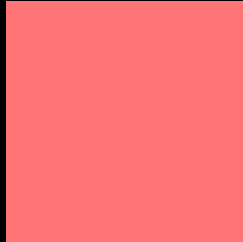
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6378, 35.0117, 20.6120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

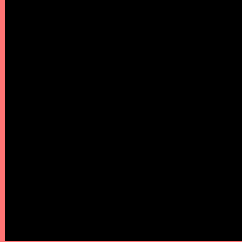
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.6378, 35.0117, 20.6120

## Background



This preview shows how black text looks on a background with the XYZ color 50.6378, 35.0117, 20.6120.



This preview shows how white text looks on a background with the XYZ color 50.6378, 35.0117,



# 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

50.6378, 35.0117, 20.6120

### Protanopia

33.1632, 35.2440, 28.3474

### Deuteranopia

35.6916, 34.9846, 19.6234



## Tritanopia

50.9459, 34.9515, 22.8001

# Trichromacy



## Original Color

50.6378, 35.0117, 20.6120

## Protanomaly

37.7551, 33.8109, 25.3051

## Deuteranomaly

40.0343, 34.2222, 19.8247

## Tritanomaly

50.7609, 34.8775, 21.8259

# Monochromacy



## Original Color

50.6378, 35.0117, 20.6120

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

36.7727, 32.9655, 30.4115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6378, 35.0117, 20.6120 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, 116)` looks like.

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

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, 116) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 50.6378, 35.0117, 20.6120 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, 116) }
```



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

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

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, 116)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 50.6378, 35.0117, 20.6120 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, 116) }
```

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

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

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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