

Converting Colors

XYZ(58.7220, 46.4788, 37.8006)

Have a look what the booklet for
XYZ(58.7220, 46.4788, 37.8006)
contains.

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Color

**XYZ(58.7170, 46.4768,
37.7745)**

Conversions

Conversions Part 1

Format	Color
Hex	FF999D
RGB	255, 153, 157
RGB Percent	100%, 60%, 62%
CMY	0.0000, 0.4000, 0.3843
CMYK	0.00, 0.40, 0.38, 0.00
HSL	358°, 100%, 80%
HSV	358°, 40%, 100%
XYZ	58.7170, 46.4768, 37.7745
YIQ	183.9540, 59.5080, 22.8680

Conversions

Conversions Part 2

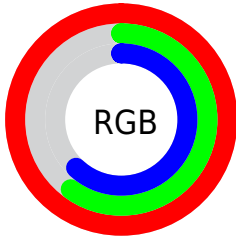
Format	Color
R_{YB}	255, 153, 157
Decimal	16751005
CIE Lab	73.85, 38.54, 14.39
CIE LCh	74, 41.136, 20.473
Yxy	46.4768, 0.4107, 0.3251
Android (android.graphics.Color)	4294941085 (0xFFFF999D)
YUV	183.9540, -13.2883, 62.3073
Hunter-Lab	68.1739, 34.4347, 14.8697

Details

The XYZ color **58.7170, 46.4768, 37.7745** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **66.3116, 85.2583, 104.2330**, and the grayscale version is **45.5838, 47.9577, 52.2260**.

A 20% lighter version of the original color is **75.7983, 71.5641, 71.4463**, and **29.6644, 21.7571, 16.2717** is the 20% darker color. If you saturate the color by 10%, you get **53.0941, 38.2497, 26.5941**, and if you desaturate by 10%, it is **65.6536, 56.6598, 51.4630**.

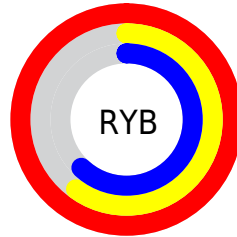
Distribution



Red (100%)

Green (60%)

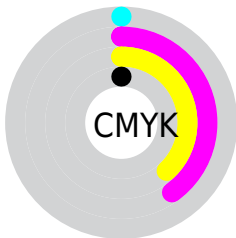
Blue (62%)



Red (100%)

Yellow (60%)

Blue (62%)

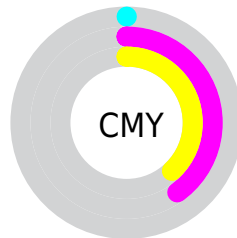


Cyan (0%)

Magenta (40%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7170, 46.4768, 37.7745 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 58.7170, 46.4768, 37.7745 by changing the saturation by 10% instead.


 58.7170, 46.4768,
37.7745


 58.7170, 46.4768,
37.7745


409.7633,
372.7222, 351.9208

 42.6308, 32.6222,
25.5072


 102.0832, 84.9321,
72.9620

 29.7888, 21.8372,
16.2329


 130.0940,
110.3017, 96.7192

 19.8256, 13.7373,
9.5330


162.8103,
140.2783, 125.1436

 12.3759, 7.9382,
4.9889

200.5976,
175.2465, 158.6536

 7.0742, 4.0554,
2.1821

243.8212,
215.5906, 197.6678

 3.5553, 1.7046,
0.6640

292.8465,

 1.4538, 0.4266,

261.6950, 242.6047

0.0000

348.0387,
313.9441, 293.8828

■ 0.2941, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7170, 46.4768,
37.7745

■ 58.7170, 46.4768,
37.7745

■ 53.0941, 38.2497,
26.5941

■ 65.6536, 56.6598,
51.4630

■ 48.6987, 31.8468,
17.7672

■ 73.9755, 68.9055,
67.7962

■ 45.4400, 27.1312,
11.1265

■ 83.7537, 83.3212,
86.9038

■ 43.2134, 23.9440,
6.4811

95.0499, 100.0000,
108.9000

■ 41.8944, 22.0955,
3.6078

■ 41.2947, 21.2820,
2.2183

■ 41.2946, 21.2818,
2.2181

Harmonies

Analogous

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



59.5612, 46.4768, 57.5747



58.7170, 46.4768, 37.7745



53.7523, 46.4768, 25.4454

Triad

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



58.7170, 46.4768, 37.7745



34.1830, 46.4768, 29.0409



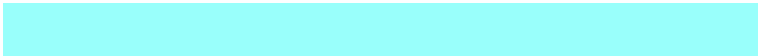
41.8859, 46.4768, 101.6805

Complementary

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



58.7170, 46.4768, 37.7745



66.3116, 85.2583, 104.2330

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.



35.8084, 46.4768, 88.5018



58.7170, 46.4768, 37.7745



31.6966, 46.4768, 44.2224

Square

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



58.7170, 46.4768, 37.7745



39.4322, 46.4768, 21.4554



32.2568, 46.4768, 66.0552



49.2832, 46.4768, 98.5441

Rectangle

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



58.7170, 46.4768, 37.7745



49.0485, 46.4768, 21.3271



32.2568, 46.4768, 66.0552



39.6351, 46.4768, 98.8997

Sweetspot

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



58.7182, 46.4791, 37.7754



81.6757, 80.2555, 82.8489



68.8309, 50.3103, 100.6906



17.1988, 16.7604, 17.1803



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.



58.7182, 46.4791, 37.7754



54.1165, 39.7432, 28.6340



67.3916, 64.3627, 39.0114



18.0382, 17.9986, 18.8183



21.5898, 11.1252, 1.2245



2.1118, 1.0871, 0.1702

Inverse Universe

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



58.7182, 46.4791, 37.7754



54.1165, 39.7432, 28.6340



54.0139, 59.6445, 103.2733



18.0382, 17.9986, 18.8183



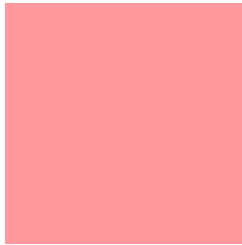
21.5898, 11.1252, 1.2245



2.1118, 1.0871, 0.1702

Previews

White Background



This preview shows how the XYZ color 58.7170, 46.4768, 37.7745 looks on a white background.

Color Contrast Check

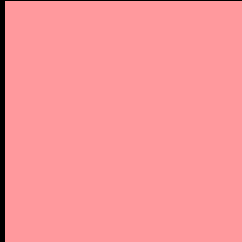
Large Text (above 18pt) WCAG AA × Fail

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 58.7170, 46.4768, 37.7745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

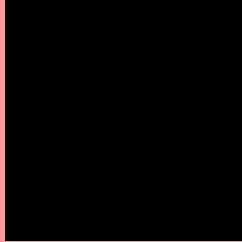
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7170, 46.4768, 37.7745

Background



This preview shows how black text looks on a background with the XYZ color 58.7170, 46.4768, 37.7745.



This preview shows how white text looks on a background with the XYZ color 58.7170, 46.4768,

37.7745.

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

58.7170, 46.4768, 37.7745

Protanopia

44.7093, 46.7177, 45.6907

Deuteranopia

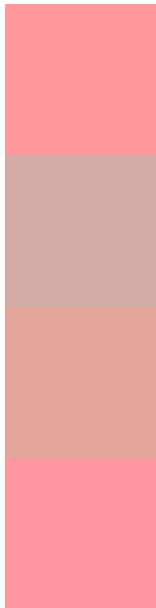
47.6581, 46.6615, 36.6317



Tritanopia

59.0791, 46.3608, 40.4851

Trichromacy



Original Color

58.7170, 46.4768, 37.7745

Protanomaly

48.6893, 45.9129, 42.8551

Deuteranomaly

51.0155, 46.1393, 36.7888

Tritanomaly

58.9013, 46.2897, 39.5486

Monochromacy



Original Color

58.7170, 46.4768, 37.7745

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

49.1619, 46.6448, 46.4566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7170, 46.4768, 37.7745 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, 153, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 157)  
}
```

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, 153, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 157) }
```

Border

The CSS property to change the border of an element to XYZ 58.7170, 46.4768, 37.7745 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, 153, 157) }
```


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

```
.border{ border-color:rgb(255, 153, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7170, 46.4768, 37.7745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 157) }
```

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

```
.background{ background-color: rgb(255,  
153, 157) }
```

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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