

# Converting Colors

XYZ(58.1846, 46.1862, 35.8765)

Have a look what the booklet for  
XYZ(58.1846, 46.1862, 35.8765)  
contains.

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# Color

**XYZ(58.3810, 46.3424,  
36.0049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9999
RGB	255, 153, 153
RGB Percent	100%, 60%, 60%
CMY	0.0000, 0.4000, 0.4000
CMYK	0.00, 0.40, 0.40, 0.00
HSL	0°, 100%, 80%
HSV	0°, 40%, 100%
XYZ	58.3810, 46.3424, 36.0049
YIQ	183.4980, 60.7920, 21.6240

# Conversions

## Conversions Part 2

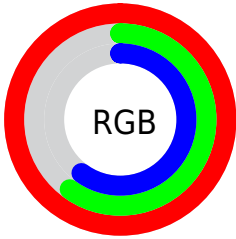
Format	Color
<a href="#">RYB</a>	<a href="#">255, 153, 153</a>
Decimal	<a href="#">16751001</a>
CIELab	<a href="#">73.77, 38.10, 16.47</a>
CIELCh	<a href="#">74, 41.504, 23.377</a>
Yxy	<a href="#">46.3424, 0.4148, 0.3293</a>
Android (android.graphics.Color)	<a href="#">4294941081 (0xFFFF9999)</a>
YUV	<a href="#">183.4980, -15.0355, 62.7073</a>
Hunter-Lab	<a href="#">68.0753, 33.9490, 16.2943</a>

# Details

The XYZ color **58.3810, 46.3424, 36.0049** is a light color, and the websafe version is hex **FF9999**, and the color name is **light salmon pink**. A complement of this color would be **66.9451, 85.5084, 107.5840**, and the grayscale version is **45.3412, 47.7024, 51.9480**.

A 20% lighter version of the original color is **75.0584, 70.8767, 68.7561**, and **29.4611, 21.6758, 15.2014** is the 20% darker color. If you saturate the color by 10%, you get **52.7587, 38.1158, 24.8267**, and if you desaturate by 10%, it is **65.3474, 56.5368, 49.8522**.

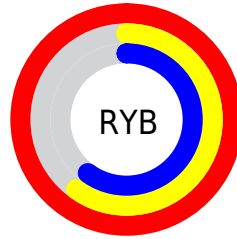
# Distribution



Red (100%)

Green (60%)

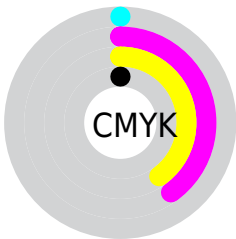
Blue (60%)



Red (100%)

Yellow (60%)

Blue (60%)

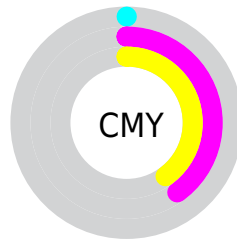


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3810, 46.3424, 36.0049 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 58.3810, 46.3424, 36.0049 by changing the saturation by 10% instead.





 58.3810, 46.3424,  
36.0049


 58.3810, 46.3424,  
36.0049


408.5351,  
372.1835, 344.0200

 42.3595, 32.5161,  
24.1483


 101.5973, 84.7312,  
70.2088

 29.5752, 21.7560,  
15.2304


 129.5227,  
110.0625, 93.3931

 19.6629, 13.6777,  
8.8328


162.1468,  
139.9976, 121.1903

 12.2570, 7.8969,  
4.5370

199.8350,  
174.9208, 154.0191

 6.9924, 4.0290,  
1.9243

242.9525,  
215.2166, 192.2979

 3.5037, 1.6898,  
0.5081

291.8649,

 1.4254, 0.4170,

261.2694, 236.4453

0.0000

346.9373,  
313.4636, 286.8798

■ 0.2742, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.3810, 46.3424,  
36.0049

■ 58.3810, 46.3424,  
36.0049

■ 52.7587, 38.1158,  
24.8267

■ 65.3474, 56.5368,  
49.8522

■ 48.3906, 31.7240,  
16.1435

■ 73.7330, 68.8073,  
66.5224

■ 45.1818, 27.0284,  
9.7648

■ 83.6114, 83.2623,  
86.1605

■ 43.0219, 23.8678,  
5.4715

95.0500, 100.0000,  
108.9000

■ 41.7796, 22.0498,  
3.0023

■ 41.2401, 21.2603,  
1.9301

■ 41.2401, 21.2603,  
1.9301

# Harmonies

## Analogous

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



59.6803, 46.3424, 55.2871



58.3810, 46.3424, 36.0049



53.0553, 46.3424, 24.3878

# Triad

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



58.3810, 46.3424, 36.0049



33.6222, 46.3424, 29.9101



42.4325, 46.3424, 102.4775

# Complementary

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



58.3810, 46.3424, 36.0049



66.9451, 85.5084, 107.5840

# 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.



36.1210, 46.3424, 90.5544



58.3810, 46.3424, 36.0049



31.4142, 46.3424, 45.9205

# Square

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



58.3810, 46.3424, 36.0049



38.6589, 46.3424, 21.6166



32.2753, 46.3424, 68.3408



49.9140, 46.3424, 97.6458



# Rectangle

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



58.3810, 46.3424, 36.0049



48.2276, 46.3424, 20.7002



32.2753, 46.3424, 68.3408



40.1154, 46.3424, 100.2082

# Sweetspot

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



58.3822, 46.3447, 36.0058



81.5127, 80.1911, 81.9880



70.6813, 51.2628, 100.7770



17.1609, 16.7454, 16.9798



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.



58.3822, 46.3447, 36.0058



53.7799, 39.6101, 26.8567



68.5828, 66.7459, 39.4060



18.0095, 17.9873, 18.6670



21.5489, 11.1091, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

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



66.9451, 85.5084, 107.5840



63.4175, 83.6894, 107.4190



52.7800, 57.1783, 102.8624



18.5549, 20.4813, 23.2253



28.1144, 41.1384, 55.8933

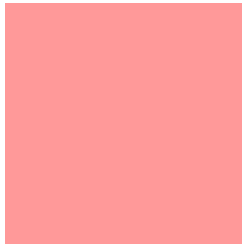


2.7374, 4.0056, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 58.3810, 46.3424, 36.0049 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

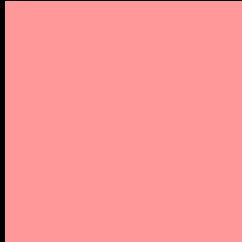
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3810, 46.3424, 36.0049 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 58.3810, 46.3424, 36.0049**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3810, 46.3424, 36.0049.



This preview shows how white text looks on a background with the XYZ color 58.3810, 46.3424,



# 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

58.3810, 46.3424, 36.0049

### Protanopia

44.2380, 46.5291, 43.2086

### Deuteranopia

47.6188, 46.6788, 34.9339



## Tritanopia

59.0791, 46.3608, 40.4851

# Trichromacy



## Original Color

58.3810, 46.3424, 36.0049



## Protanomaly

48.2359, 45.7315, 40.4672



## Deuteranomaly

51.0023, 46.1703, 35.0778



## Tritanomaly

58.7262, 46.2197, 38.6270

# Monochromacy



## Original Color

58.3810, 46.3424, 36.0049



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

49.0647, 46.6059, 45.9450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3810, 46.3424, 36.0049 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, 153)` looks like.

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

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, 153) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 58.3810, 46.3424, 36.0049 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, 153) }
```



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

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

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, 153)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 58.3810, 46.3424, 36.0049 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, 153) }
```

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

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

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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