

# Converting Colors

XYZ(58.3131, 46.4392, 36.2718)

Have a look what the booklet for  
XYZ(58.3131, 46.4392, 36.2718)  
contains.

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# Color

**XYZ(58.2614, 46.5151,  
36.4795)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FE9A9A
RGB	254, 154, 154
RGB Percent	100%, 60%, 60%
CMY	0.0039, 0.3961, 0.3961
CMYK	0.00, 0.39, 0.39, 0.00
HSL	0°, 98%, 80%
HSV	0°, 39%, 100%
XYZ	58.2614, 46.5151, 36.4795
YIQ	183.9000, 59.6000, 21.2000

# Conversions

## Conversions Part 2

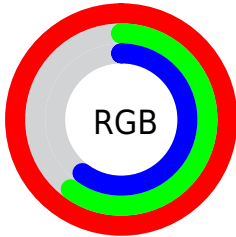
Format	Color
R <sub>Y</sub> B	254, 154, 154
Decimal	16685722
CIE Lab	73.88, 37.33, 16.06
CIE LCh	74, 40.633, 23.274
Yxy	46.5151, 0.4125, 0.3293
Android (android.graphics.Color)	4294875802 (0xFFFE9A9A)
YUV	183.9000, -14.7407, 61.4777
Hunter-Lab	68.2020, 33.1298, 16.0287

# Details

The XYZ color **58.2614, 46.5151, 36.4795** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **66.6561, 84.9060, 106.6413**, and the grayscale version is **45.5617, 47.9344, 52.2006**.

A 20% lighter version of the original color is **75.4256, 71.4150, 69.4836**, and **29.6075, 21.8887, 15.4964** is the 20% darker color. If you saturate the color by 10%, you get **52.6078, 38.2427, 25.2390**, and if you desaturate by 10%, it is **65.2519, 56.7447, 50.3746**.

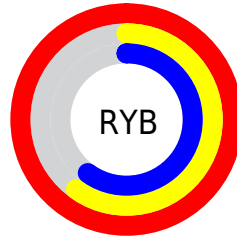
# Distribution



Red (100%)

Green (60%)

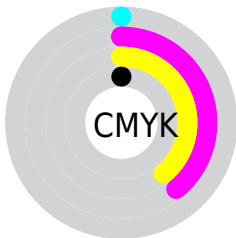
Blue (60%)



Red (100%)

Yellow (60%)

Blue (60%)

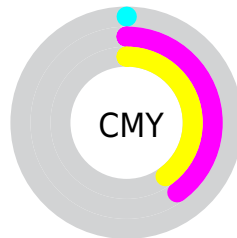


Cyan (0%)

Magenta (39%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2614, 46.5151, 36.4795 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 58.2614, 46.5151, 36.4795 by changing the saturation by 10% instead.





 58.2614, 46.5151,  
36.4795


 58.2614, 46.5151,  
36.4795


408.0974,  
372.8757, 346.1521

 42.2629, 32.6525,  
24.5121

 101.4242, 84.9894,  
70.9489

 29.4992, 21.8604,  
15.4982


 129.3192,  
110.3698, 94.2880

 19.6050, 13.7543,  
9.0193


161.9105,  
140.3583, 122.2547

 12.2148, 7.9500,  
4.6568

199.5633,  
175.3393, 155.2676

 6.9634, 4.0630,  
1.9921

242.6430,  
215.6971, 193.7453

 3.4853, 1.7088,  
0.5504

291.5151,

 1.4153, 0.4294,

261.8162, 238.1062

0.0000

346.5448,  
314.0809, 288.7690

■ 0.2671, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.2614, 46.5151,  
36.4795

■ 58.2614, 46.5151,  
36.4795

■ 52.6078, 38.2427,  
25.2390

■ 65.2519, 56.7447,  
50.3746

■ 48.2025, 31.7964,  
16.4818

■ 73.6530, 69.0379,  
67.0756

■ 44.9521, 27.0400,  
10.0204

■ 83.5375, 83.5018,  
86.7257

■ 42.7484, 23.8154,  
5.6401

94.6830, 99.8108,  
108.8828

■ 41.4631, 21.9345,  
3.0854

■ 40.8994, 21.1094,  
1.9649

■ 40.8732, 21.0711,  
1.9129

# Harmonies

## Analogous

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



59.5159, 46.5151, 55.4582



58.2614, 46.5151, 36.4795



53.0628, 46.5151, 24.9553

# Triad

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



58.2614, 46.5151, 36.4795



33.9723, 46.5151, 30.3629



42.6018, 46.5151, 101.4118

# Complementary

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



58.2614, 46.5151, 36.4795



66.6561, 84.9060, 106.6413

# 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.



36.4032, 46.5151, 89.7610



58.2614, 46.5151, 36.4795



31.7847, 46.5151, 46.1225

# Square

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



58.2614, 46.5151, 36.4795



38.9391, 46.5151, 22.1560



32.6236, 46.5151, 68.0766



49.9389, 46.5151, 96.7699



# Rectangle

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



58.2614, 46.5151, 36.4795



48.3369, 46.5151, 21.2711



32.6236, 46.5151, 68.0766



40.3272, 46.5151, 99.1861

# Sweetspot

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



58.2626, 46.5174, 36.4804



81.5126, 80.1910, 81.9880



70.3183, 51.3382, 99.9690



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.



58.2626, 46.5174, 36.4804



54.3096, 40.3852, 27.9098



68.2989, 66.5900, 39.8258



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

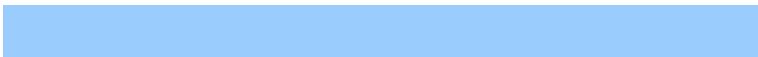
The Inverse Universe completely reimagines the original color for something new.



66.6561, 84.9060, 106.6413



63.8237, 83.8991, 107.4380



52.8091, 57.2119, 102.0256



18.5549, 20.4813, 23.2253



28.1146, 41.1387, 55.8934



2.7374, 4.0056, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 58.2614, 46.5151, 36.4795 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 58.2614, 46.5151, 36.4795 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 58.2614, 46.5151, 36.4795**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2614, 46.5151, 36.4795.



This preview shows how white text looks on a background with the XYZ color 58.2614, 46.5151,

36.4795.

# 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

58.2614, 46.5151, 36.4795

### Protanopia

44.5780, 46.6937, 43.7091

### Deuteranopia

47.6990, 46.7108, 35.3562



## Tritanopia

59.1691, 46.3968, 40.9589

# Trichromacy



## Original Color

58.2614, 46.5151, 36.4795

## Protanomaly

48.6143, 45.9163, 40.9508

## Deuteranomaly

51.0832, 46.2027, 35.5038

## Tritanomaly

58.9764, 46.5805, 39.1403

# Monochromacy



## Original Color

58.2614, 46.5151, 36.4795

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

48.7809, 46.4596, 45.9317

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2614, 46.5151, 36.4795 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(254, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(254, 154, 154)  
}
```

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(254, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 154, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2614, 46.5151, 36.4795 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(254, 154, 154) }
```



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

```
.border{ border-color:rgb(254, 154, 154) }
```

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

Here you see how a box with a 4 pixel rgb(254, 154, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(254, 154,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2614, 46.5151, 36.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 154, 154) }
```

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

```
.background{ background-color: rgb(254,  
154, 154) }
```

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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