

# Converting Colors

XYZ(51.8934, 38.1671, 24.3706)

Have a look what the booklet for  
XYZ(51.8934, 38.1671, 24.3706)  
contains.

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# Color

**XYZ(51.8934, 38.1671,  
24.3706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC827E
RGB	252, 130, 126
RGB Percent	99%, 51%, 49%
CMY	0.0118, 0.4902, 0.5059
CMYK	0.00, 0.48, 0.50, 0.01
HSL	2°, 95%, 74%
HSV	2°, 50%, 99%
XYZ	51.8934, 38.1671, 24.3706
YIQ	166.0220, 73.9960, 24.6200

# Conversions

## Conversions Part 2

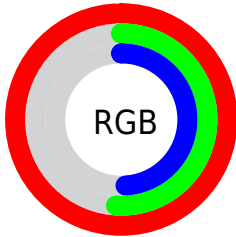
Format	Color
R <sub>Y</sub> B	252, 130, 126
Decimal	16548478
CIE Lab	68.14, 45.97, 23.64
CIE LCh	68, 51.695, 27.217
Yxy	38.1671, 0.4535, 0.3335
Android (android.graphics.Color)	4294738558 (0xFFFC827E)
YUV	166.0220, -19.7308, 75.4027
Hunter-Lab	61.7795, 41.8218, 19.8571

# Details

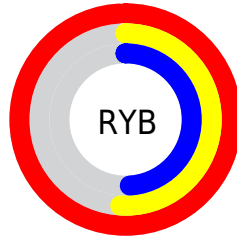
The XYZ color **51.8934, 38.1671, 24.3706** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **59.7402, 78.5943, 104.1166**, and the grayscale version is **36.3246, 38.2163, 41.6176**.

A 20% lighter version of the original color is **66.7256, 59.2126, 50.5602**, and **25.4793, 16.9199, 8.9441** is the 20% darker color. If you saturate the color by 10%, you get **47.5978, 31.8588, 15.9016**, and if you desaturate by 10%, it is **57.3698, 46.1819, 35.2541**.

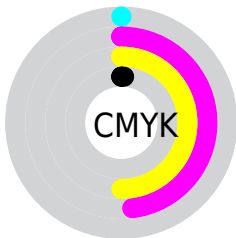
# Distribution



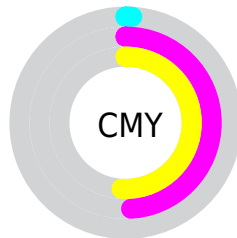
- Red (99%)
- Green (51%)
- Blue (49%)



- Red (99%)
- Yellow (51%)
- Blue (49%)



- Cyan (0%)
- Magenta (48%)
- Yellow (50%)
- Black (1%)




- Cyan (1%)
- Magenta (49%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8934, 38.1671, 24.3706 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 51.8934, 38.1671, 24.3706 by changing the saturation by 10% instead.





 51.8934, 38.1671,  
24.3706

 51.8934, 38.1671,  
24.3706


384.3557,  
338.3362, 288.0355


 37.1440, 26.1124,  
15.3940

 92.1492, 72.3642,  
51.5857

 25.4932, 16.9078,  
8.9467

 118.3863, 95.2754,  
70.6613

 16.5756, 10.1687,  
4.6101

 149.1834,  
122.5742, 93.9403

 10.0258, 5.5110,  
1.9657

184.9058,  
154.6450, 121.8412

 5.4785, 2.5501,  
0.5340

225.9188,  
191.8722, 154.7827

 2.5682, 0.9016,  
0.0000

272.5879,

 0.9298, 0.0000,

234.6402, 193.1832

0.0000

325.2784,  
283.3334, 237.4613

■ 0.0000, 0.0000,  
0.0000

■ 51.8934, 38.1671,  
24.3706

■ 51.8934, 38.1671,  
24.3706

■ 47.5978, 31.8588,  
15.9016

■ 57.3698, 46.1819,  
35.2541

■ 44.3935, 27.1278,  
9.6614

■ 64.1020, 56.0080,  
48.7147

■ 42.1830, 23.8368,  
5.4409

■ 72.1622, 67.7489,  
64.9032

■ 40.8501, 21.8218,  
2.9901

■ 81.6165, 81.4986,  
83.9583

■ 40.2317, 20.8693,  
1.9078

■ 92.5262, 97.3450,  
106.0090

■ 40.2317, 20.8693,  
1.9077

93.9547, 99.4354,  
108.8487

# Harmonies

## Analogous

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



54.0807, 38.1671, 43.7518



51.8934, 38.1671, 24.3706



45.3405, 38.1671, 14.2799

# Triad

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



51.8934, 38.1671, 24.3706



24.7357, 38.1671, 21.8459



35.5288, 38.1671, 103.5962

# Complementary

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



51.8934, 38.1671, 24.3706



59.7402, 78.5943, 104.1166

# 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.



28.5092, 38.1671, 91.2131



51.8934, 38.1671, 24.3706



22.8842, 38.1671, 39.4378

# Square

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



51.8934, 38.1671, 24.3706



29.6345, 38.1671, 13.2478



24.1569, 38.1671, 65.3671



43.8438, 38.1671, 94.9045



# Rectangle

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



51.8934, 38.1671, 24.3706



39.8181, 38.1671, 11.5449



24.1569, 38.1671, 65.3671



32.9517, 38.1671, 101.6802

# Sweetspot

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



51.8944, 38.1691, 24.3713



78.7946, 76.3821, 76.0656



64.8453, 42.5132, 95.1481



16.4339, 15.7215, 15.4120



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.



51.8944, 38.1691, 24.3713



48.8819, 32.7066, 16.3070



62.5634, 59.5071, 27.9276



17.2889, 17.3136, 17.8930



20.9770, 10.9108, 1.0004



1.9579, 1.0407, 0.0977



# Inverse Universe

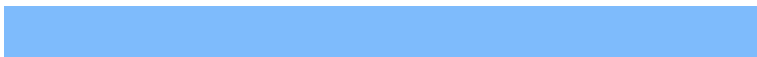
The Inverse Universe completely reimagines the original color for something new.



59.7402, 78.5943, 104.1166



57.7570, 78.4997, 106.7156



43.9242, 46.9623, 98.8446



17.7157, 19.5083, 22.2170



26.0243, 37.4042, 53.8217



2.4247, 3.4932, 4.9896



# Previews

## White Background



This preview shows how the XYZ color 51.8934, 38.1671, 24.3706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

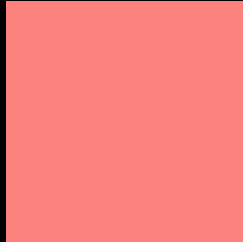
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8934, 38.1671, 24.3706 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 51.8934, 38.1671, 24.3706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8934, 38.1671, 24.3706.



This preview shows how white text looks on a background with the XYZ color 51.8934, 38.1671,



# 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

51.8934, 38.1671, 24.3706

### Protanopia

36.2733, 38.3696, 31.4809

### Deuteranopia

39.0480, 38.3924, 23.4416



## Tritanopia

52.7425, 38.1271, 28.2463

# Trichromacy



## Original Color

51.8934, 38.1671, 24.3706

## Protanomaly

40.5352, 37.2851, 28.7272

## Deuteranomaly

42.9379, 37.6767, 23.7481

## Tritanomaly

52.5919, 38.2766, 26.8065

# Monochromacy



## Original Color

51.8934, 38.1671, 24.3706

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

40.0031, 36.8871, 34.2897

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8934, 38.1671, 24.3706 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(252, 130, 126)` looks like.

```
.text, #text, p{  
    color:rgb(252, 130, 126)  
}
```

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(252, 130, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 130, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8934, 38.1671, 24.3706 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(252, 130, 126) }
```



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

```
.border{ border-color:rgb(252, 130, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 130, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 130, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 130, 126);  
box-shadow:4px 4px 4px 4px rgb(252, 130,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8934, 38.1671, 24.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 130, 126) }
```

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

```
.background{ background-color: rgb(252,  
130, 126) }
```

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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