

# Converting Colors

XYZ(54.7271, 40.2868, 27.1474)

Have a look what the booklet for  
XYZ(54.7271, 40.2868, 27.1474)  
contains.

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# Color

**XYZ(53.9987, 40.0036,  
27.0657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8685
RGB	255, 134, 133
RGB Percent	100%, 53%, 52%
CMY	0.0000, 0.4745, 0.4784
CMYK	0.00, 0.47, 0.48, 0.00
HSL	0°, 100%, 76%
HSV	0°, 48%, 100%
XYZ	53.9987, 40.0036, 27.0657
YIQ	170.0650, 72.4370, 25.3410

# Conversions

## Conversions Part 2

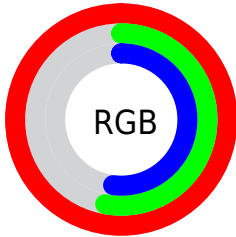
Format	Color
R <sub>Y</sub> B	255, 134, 133
Decimal	16746117
CIE Lab	69.47, 45.70, 21.61
CIE LCh	69, 50.552, 25.312
Yxy	40.0036, 0.4460, 0.3304
Android (android.graphics.Color)	4294936197 (0xFFFF8685)
YUV	170.0650, -18.2730, 74.4880
Hunter-Lab	63.2484, 41.7107, 18.9021

# Details

The XYZ color **53.9987, 40.0036, 27.0657** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **63.1626, 83.0859, 107.3156**, and the grayscale version is **38.3049, 40.2998, 43.8864**.

A 20% lighter version of the original color is **68.3005, 61.2004, 54.6674**, and **26.7908, 17.9943, 10.4487** is the 20% darker color. If you saturate the color by 10%, you get **49.3587, 33.2092, 17.8571**, and if you desaturate by 10%, it is **59.9039, 48.6444, 38.8063**.

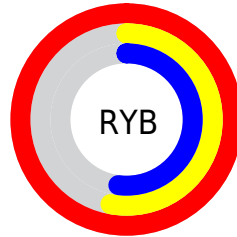
# Distribution



Red (100%)

Green (53%)

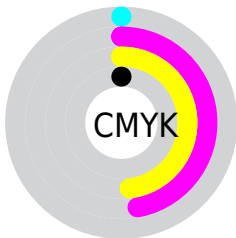
Blue (52%)



Red (100%)

Yellow (53%)

Blue (52%)

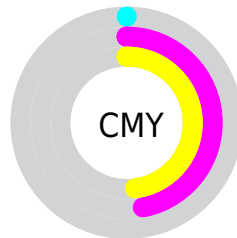


Cyan (0%)

Magenta (47%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9987, 40.0036, 27.0657 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 53.9987, 40.0036, 27.0657 by changing the saturation by 10% instead.





 53.9987, 40.0036,  
27.0657


 53.9987, 40.0036,  
27.0657


392.3035,  
346.1387, 301.7453


 38.8313, 27.5414,  
17.3897


 95.2292, 75.1690,  
55.9943

 26.8086, 17.9802,  
10.3478


 122.0231, 98.6409,  
76.0840

 17.5654, 10.9358,  
5.5216


 153.4231,  
126.5516, 100.4819

 10.7362, 6.0237,  
2.4924

189.7947,  
159.2853, 129.6068

 5.9557, 2.8595,  
0.8361

231.5031,  
197.2264, 163.8770

 2.8586, 1.0588,  
0.0000

278.9139,

 1.0794, 0.0000,

240.7595, 203.7111

0.0000

332.3922,  
290.2688, 249.5277

■ 0.0078, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.9987, 40.0036,  
27.0657

■ 53.9987, 40.0036,  
27.0657

■ 49.3587, 33.2092,  
17.8571

■ 59.9039, 48.6444,  
38.8063

■ 45.8890, 28.1214,  
10.9922

■ 67.1543, 59.2459,  
53.2441

■ 43.4861, 24.5905,  
6.2604

■ 75.8267, 71.9203,  
70.5328

■ 42.0269, 22.4382,  
3.4123

■ 85.9912, 86.7698,  
90.8139

■ 41.3521, 21.4361, 95.0499, 99.9999,  
2.1161 108.9000

■ 41.2627, 21.3056,  
1.9376

# Harmonies

## Analogous

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



55.8519, 40.0036, 47.3243



53.9987, 40.0036, 27.0657



47.6433, 40.0036, 16.1181

# Triad

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



53.9987, 40.0036, 27.0657



26.5499, 40.0036, 22.7031



36.7573, 40.0036, 105.2464

# Complementary

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



53.9987, 40.0036, 27.0657



63.1626, 83.0859, 107.3156

# 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.



29.7923, 40.0036, 91.7888



53.9987, 40.0036, 27.0657



24.4591, 40.0036, 39.9954

# Square

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



53.9987, 40.0036, 27.0657



31.7153, 40.0036, 14.3026



25.5558, 40.0036, 65.6701



45.1143, 40.0036, 97.9430



# Rectangle

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



53.9987, 40.0036, 27.0657



42.1304, 40.0036, 12.9936



25.5558, 40.0036, 65.6701



34.1902, 40.0036, 102.8965

# Sweetspot

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



53.9997, 40.0057, 27.0664



79.5526, 77.3641, 77.9650



67.6775, 45.2552, 99.7756



16.5739, 15.8963, 15.7828



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.



53.9997, 40.0057, 27.0664



49.7034, 33.7142, 18.5400



64.7654, 61.5371, 30.6550



18.0214, 18.0110, 18.6710



21.5659, 11.1431, 1.0142



2.1038, 1.0930, 0.1001



# Inverse Universe

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



63.1626, 83.0859, 107.3156



59.8156, 81.2699, 107.1418



47.0148, 50.7903, 101.9330



18.5413, 20.4542, 23.2208



27.7741, 40.4577, 55.7799



2.7083, 3.9472, 5.4324



# Previews

## White Background



This preview shows how the XYZ color 53.9987, 40.0036, 27.0657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

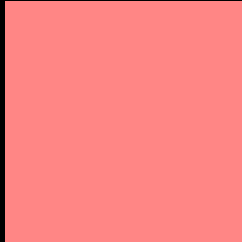
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9987, 40.0036, 27.0657 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 53.9987, 40.0036, 27.0657**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9987, 40.0036, 27.0657.



This preview shows how white text looks on a background with the XYZ color 53.9987, 40.0036,

27.0657.

# 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

53.9987, 40.0036, 27.0657

### Protanopia

38.2398, 40.4164, 34.6399

### Deuteranopia

40.8129, 40.0323, 25.9980



## Tritanopia

54.5100, 39.9881, 30.4367

# Trichromacy



## Original Color

53.9987, 40.0036, 27.0657

## Protanomaly

42.5446, 39.2494, 31.7191

## Deuteranomaly

44.7727, 39.2838, 26.3419

## Tritanomaly

54.2877, 39.8991, 29.2661

# Monochromacy



## Original Color

53.9987, 40.0036, 27.0657

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

42.2302, 38.9658, 37.1937

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9987, 40.0036, 27.0657 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, 134, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 133)  
}
```

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, 134, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9987, 40.0036, 27.0657 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, 134, 133) }
```



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

```
.border{ border-color:rgb(255, 134, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9987, 40.0036, 27.0657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 133) }
```

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

```
.background{ background-color: rgb(255,  
134, 133) }
```

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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