

# Converting Colors

XYZ(59.5150, 54.1731, 37.1984)

Have a look what the booklet for  
XYZ(59.5150, 54.1731, 37.1984)  
contains.

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# Color

**XYZ(59.6449, 54.3220,  
37.0473)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5B498
RGB	245, 180, 152
RGB Percent	96%, 71%, 60%
CMY	0.0392, 0.2941, 0.4039
CMYK	0.00, 0.27, 0.38, 0.04
HSL	18°, 82%, 78%
HSV	18°, 38%, 96%
XYZ	59.6449, 54.3220, 37.0473
YIQ	196.2430, 47.7280, 5.0720

# Conversions

## Conversions Part 2

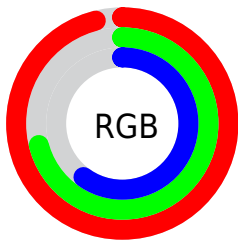
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 192, 152
Decimal	16102552
CIE Lab	78.65, 20.10, 23.56
CIE LCh	79, 30.972, 49.536
Yxy	54.3220, 0.3950, 0.3597
Android (android.graphics.Color)	4294292632 (0xFFFF5B498)
YUV	196.2430, -21.8118, 42.7599
Hunter-Lab	73.7035, 15.4710, 21.7901

# Details

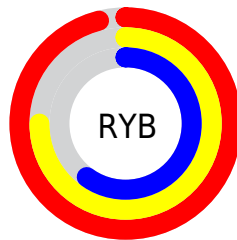
The XYZ color **59.6449, 54.3220, 37.0473** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.2421, 62.8911, 95.6664**, and the grayscale version is **52.7232, 55.4689, 60.4056**.

A 20% lighter version of the original color is **82.3760, 85.7071, 70.5940**, and **30.4319, 26.6831, 15.8583** is the 20% darker color. If you saturate the color by 10%, you get **54.5963, 47.1111, 26.4663**, and if you desaturate by 10%, it is **65.5378, 62.5579, 49.9556**.

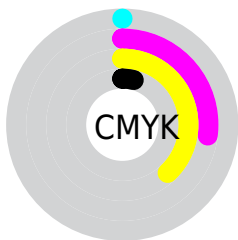
# Distribution



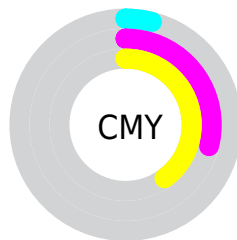
- Red (96%)
- Green (71%)
- Blue (60%)



- Red (96%)
- Yellow (75%)
- Blue (60%)



- Cyan (0%)
- Magenta (27%)
- Yellow (38%)
- Black (4%)




- Cyan (4%)
- Magenta (29%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6449, 54.3220, 37.0473 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 59.6449, 54.3220, 37.0473 by changing the saturation by 10% instead.





 59.6449, 54.3220,  
37.0473

 59.6449, 54.3220,  
37.0473


413.1434,  
403.3367, 348.6901

 43.3808, 38.8592,  
24.9480


 103.4237, 96.5469,  
71.8327

 30.3799, 26.6502,  
15.8197


 131.6691,  
124.0777, 95.3559

 20.2766, 17.3107,  
9.2437

164.6390,  
156.3999, 123.5241

 12.7057, 10.4562,  
4.8015

202.6987,  
193.8980, 156.7559

 7.3018, 5.7025,  
2.0746

246.2137,  
236.9564, 195.4699

 3.6996, 2.6650,  
0.6006

295.5492,

 1.5336, 0.9595,

285.9593, 240.0846

0.0000

351.0707,  
341.2913, 291.0185

■ 0.3485, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.6449, 54.3220,  
37.0473

■ 59.6449, 54.3220,  
37.0473

■ 54.5963, 47.1111,  
26.4663

■ 65.5378, 62.5579,  
49.9556

■ 50.3466, 40.8762,  
18.0687

■ 72.3090, 71.8498,  
65.3165

■ 46.8522, 35.5755,  
11.6997

■ 79.9957, 82.2370,  
83.2504

■ 44.0631, 31.1610,  
7.1825

■ 88.6315, 93.7544,  
103.8686

■ 41.9221, 27.5796,  
4.3090

■ 91.4661, 98.1524,  
108.7323

■ 40.3566, 24.7695,  
2.7976

■ 40.0901, 24.2804,  
2.5736

# Harmonies

## Analogous

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



63.5253, 54.3220, 48.5857



59.6449, 54.3220, 37.0473



53.7968, 54.3220, 31.8268

# Triad

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



59.6449, 54.3220, 37.0473



40.9098, 54.3220, 53.2393



55.6642, 54.3220, 96.9010

# Complementary

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



59.6449, 54.3220, 37.0473



54.2421, 62.8911, 95.6664

# 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.



49.5250, 54.3220, 98.8294



59.6449, 54.3220, 37.0473



41.3233, 54.3220, 71.1385

# Square

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



59.6449, 54.3220, 37.0473



43.1919, 54.3220, 39.8733



44.3699, 54.3220, 88.6468



61.1045, 54.3220, 83.8054



# Rectangle

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



59.6449, 54.3220, 37.0473



49.7078, 54.3220, 31.7642



44.3699, 54.3220, 88.6468



53.6040, 54.3220, 98.9630

# Sweetspot

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



59.6463, 54.3246, 37.0484



84.9203, 86.4474, 84.8471



61.4220, 46.8844, 71.5264



17.9279, 18.1681, 17.5792



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.



59.6463, 54.3246, 37.0484



60.7537, 52.9823, 30.9556



70.6290, 76.2901, 40.7093



16.9059, 17.2960, 17.2450



21.7031, 13.2917, 1.4217



1.9938, 1.3409, 0.1537



# Inverse Universe

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



54.2421, 62.8911, 95.6664



53.9902, 63.6147, 104.0410



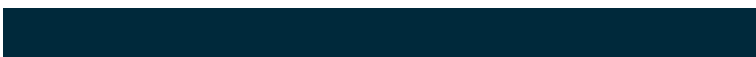
43.9182, 42.2435, 92.2251



16.5509, 17.8661, 21.1187



16.8740, 19.5418, 49.4206



1.5729, 1.8972, 4.3735



# Previews

## White Background



This preview shows how the XYZ color 59.6449, 54.3220, 37.0473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

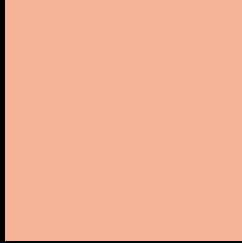
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.6449, 54.3220, 37.0473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

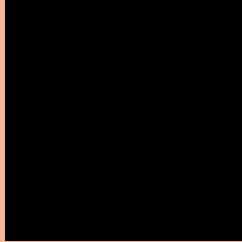
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.6449, 54.3220, 37.0473**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.6449, 54.3220, 37.0473.



This preview shows how white text looks on a background with the XYZ color 59.6449, 54.3220,



# 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

59.6449, 54.3220, 37.0473

### Protanopia

51.5052, 54.7988, 40.6635

### Deuteranopia

55.6693, 54.4330, 36.8507



## Tritanopia

63.4740, 54.4305, 54.7377

# Trichromacy



## Original Color

59.6449, 54.3220, 37.0473

## Protanomaly

54.2330, 54.5994, 39.1328

## Deuteranomaly

56.9874, 54.1775, 36.7319

## Tritanomaly

62.1714, 54.4959, 47.7994

# Monochromacy



## Original Color

59.6449, 54.3220, 37.0473

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

54.3832, 54.4183, 50.8175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.6449, 54.3220, 37.0473 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(245, 180, 152)` looks like.

```
.text, #text, p{  
    color:rgb(245, 180, 152)  
}
```

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(245, 180, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 180, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 59.6449, 54.3220, 37.0473 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(245, 180, 152) }
```



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

```
.border{ border-color:rgb(245, 180, 152) }
```

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

Here you see how a box with a 4 pixel rgb(245, 180, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 180, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 180, 152);  
box-shadow:4px 4px 4px 4px rgb(245, 180,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.6449, 54.3220, 37.0473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 180, 152) }
```

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

```
.background{ background-color: rgb(245,  
180, 152) }
```

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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