

# Converting Colors

XYZ(53.8947, 43.0645, 49.2827)

Have a look what the booklet for  
XYZ(53.8947, 43.0645, 49.2827)  
contains.

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# Color

**XYZ(53.8389, 42.9818,  
49.1747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC96B5
RGB	236, 150, 181
RGB Percent	93%, 59%, 71%
CMY	0.0745, 0.4117, 0.2902
CMYK	0.00, 0.36, 0.23, 0.07
HSL	338°, 69%, 76%
HSV	338°, 36%, 93%
XYZ	53.8389, 42.9818, 49.1747
YIQ	179.2480, 41.3050, 27.8730

# Conversions

## Conversions Part 2

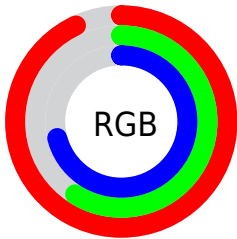
Format	Color
R <sub>Y</sub> B	236, 150, 181
Decimal	15505077
CIE Lab	71.54, 36.36, -2.51
CIE LCh	72, 36.451, 356.050
Yxy	42.9818, 0.3688, 0.2944
Android (android.graphics.Color)	4293695157 (0xFFEC96B5)
YUV	179.2480, 0.8637, 49.7715
Hunter-Lab	65.5605, 31.8550, 1.4209

# Details

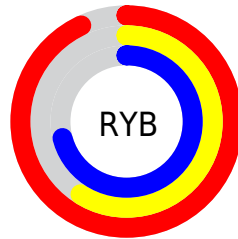
The XYZ color **53.8389, 42.9818, 49.1747** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **53.5945, 70.8838, 68.6184**, and the grayscale version is **42.9612, 45.1985, 49.2212**.

A 20% lighter version of the original color is **78.3574, 71.0371, 89.7024**, and **26.6241, 19.7589, 22.8327** is the 20% darker color. If you saturate the color by 10%, you get **48.9795, 35.6085, 40.3233**, and if you desaturate by 10%, it is **59.6269, 51.9430, 59.1645**.

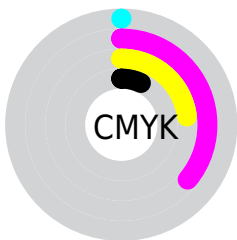
# Distribution



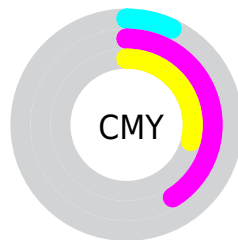
- Red (93%)
- Green (59%)
- Blue (71%)



- Red (93%)
- Yellow (59%)
- Blue (71%)



- Cyan (0%)
- Magenta (36%)
- Yellow (23%)
- Black (7%)




- Cyan (7%)
- Magenta (41%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8389, 42.9818, 49.1747 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 53.8389, 42.9818, 49.1747 by changing the saturation by 10% instead.




 53.8389, 42.9818,  
49.1747


 53.8389, 42.9818,  
49.1747


391.7038,  
358.5369, 400.0719

 38.7030, 29.8708,  
34.3915

 94.9959, 79.6834,  
90.3345

 26.7085, 19.7406,  
22.9147


 121.7478,  
104.0428, 117.5483

 17.4899, 12.2066,  
14.3259


153.1025,  
132.9205, 149.7426

 10.6818, 6.8845,  
8.2063

189.4251,  
166.7009, 187.3360

 5.9190, 3.3900,  
4.1376

231.0813,  
205.7683, 230.7471

 2.8361, 1.3386,  
1.7011

278.4362,

 1.0677, 0.1708,

250.5072, 280.3945

0.3615

331.8552,  
301.3019, 336.6965

■ 0.0000, 0.0000,  
0.0000

■ 53.8389, 42.9818,  
49.1747

■ 53.8389, 42.9818,  
49.1747

■ 48.9795, 35.6085,  
40.3233

■ 59.6269, 51.9430,  
59.1645

■ 44.9939, 29.7232,  
32.5643

■ 66.3869, 62.5718,  
70.3307

■ 41.8271, 25.2243,  
25.8523

■ 74.1638, 74.9501,  
82.7130

■ 39.4156, 21.9945,  
20.1368

■ 82.9988, 89.1525,  
96.3480

■ 37.6861, 19.8972,  
15.3625

■ 88.4022, 96.5729,  
108.5889

■ 36.5476, 18.7611,  
11.4657

■ 36.2343, 18.4898,  
10.2662

# Harmonies

## Analogous

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



51.4819, 42.9818, 68.4046



53.8389, 42.9818, 49.1747



52.4393, 42.9818, 33.4329

# Triad

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



53.8389, 42.9818, 49.1747



35.8711, 42.9818, 22.4689



34.5913, 42.9818, 80.9373

# Complementary

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



53.8389, 42.9818, 49.1747



53.5945, 70.8838, 68.6184

# 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.



31.1128, 42.9818, 63.3252



53.8389, 42.9818, 49.1747



31.7979, 42.9818, 30.3030

# Square

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



53.8389, 42.9818, 49.1747



41.6739, 42.9818, 20.4688



30.1434, 42.9818, 44.5028



40.0427, 42.9818, 89.4304



# Rectangle

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



53.8389, 42.9818, 49.1747



49.6330, 42.9818, 26.3871



30.1434, 42.9818, 44.5028



33.1747, 42.9818, 75.7012

# Sweetspot

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



53.8401, 42.9838, 49.1756



83.9902, 82.2888, 91.6233



51.0784, 40.7746, 84.5353



17.7083, 17.1850, 19.1822



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.



53.8401, 42.9838, 49.1756



59.6047, 44.2738, 50.3350



52.9252, 45.6902, 34.8864



15.2898, 15.1438, 16.8114



20.0293, 10.2144, 5.9558



1.6174, 0.8199, 0.7027



# Inverse Universe

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



53.8401, 42.9838, 49.1756



59.6047, 44.2738, 50.3350



54.5187, 66.1398, 89.2500



15.2898, 15.1438, 16.8114



20.0293, 10.2144, 5.9558



1.6174, 0.8199, 0.7027



# Previews

## White Background



This preview shows how the XYZ color 53.8389, 42.9818, 49.1747 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 53.8389, 42.9818, 49.1747 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 53.8389, 42.9818, 49.1747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8389, 42.9818, 49.1747.



This preview shows how white text looks on a background with the XYZ color 53.8389, 42.9818,



# 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

53.8389, 42.9818, 49.1747

### Protanopia

42.3334, 43.1419, 58.3206

### Deuteranopia

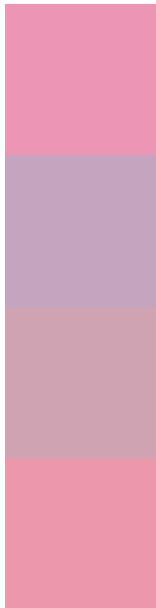
44.0488, 43.1302, 47.5983



## Tritanopia

52.0238, 42.9552, 40.6712

# Trichromacy



## Original Color

53.8389, 42.9818, 49.1747

## Protanomaly

45.6241, 42.4076, 55.0711

## Deuteranomaly

47.1455, 42.8186, 47.8995

## Tritanomaly

52.7449, 43.0209, 43.5541

# Monochromacy



## Original Color

53.8389, 42.9818, 49.1747

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

46.0603, 43.5799, 49.1641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8389, 42.9818, 49.1747 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(236, 150, 181)` looks like.

```
.text, #text, p{  
    color:rgb(236, 150, 181)  
}
```

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(236, 150, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 150, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8389, 42.9818, 49.1747 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(236, 150, 181) }
```



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

```
.border{ border-color:rgb(236, 150, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 150, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 150, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 150, 181);  
box-shadow:4px 4px 4px 4px rgb(236, 150,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8389, 42.9818, 49.1747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 150, 181) }
```

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

```
.background{ background-color: rgb(236,  
150, 181) }
```

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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