

# Converting Colors

XYZ(58.6595, 42.0149, 51.1562)

Have a look what the booklet for  
XYZ(58.6595, 42.0149, 51.1562)  
contains.

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# Color

**XYZ(58.6609, 42.0907,  
50.9315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF87B9
RGB	255, 135, 185
RGB Percent	100%, 53%, 73%
CMY	0.0000, 0.4706, 0.2745
CMYK	0.00, 0.47, 0.27, 0.00
HSL	335°, 100%, 76%
HSV	335°, 47%, 100%
XYZ	58.6609, 42.0907, 50.9315
YIQ	176.5800, 55.4700, 40.9900

# Conversions

## Conversions Part 2

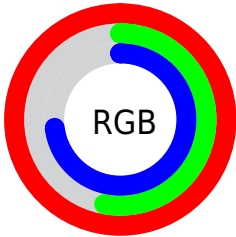
Format	Color
R <sub>Y</sub> B	255, 135, 185
Decimal	16746425
CIE Lab	70.93, 50.99, -5.37
CIE LCh	71, 51.272, 353.991
Yxy	42.0907, 0.3867, 0.2775
Android (android.graphics.Color)	4294936505 (0xFFFF87B9)
YUV	176.5800, 4.1511, 68.7743
Hunter-Lab	64.8773, 47.8611, -1.1311

# Details

The XYZ color **58.6609, 42.0907, 50.9315** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.7730, 81.0796, 70.4192**, and the grayscale version is **41.5296, 43.6924, 47.5810**.

A 20% lighter version of the original color is **75.7480, 64.8725, 91.7484**, and **29.8722, 19.2866, 23.9780** is the 20% darker color. If you saturate the color by 10%, you get **54.0304, 35.2128, 42.0414**, and if you desaturate by 10%, it is **64.3098, 50.7421, 60.9727**.

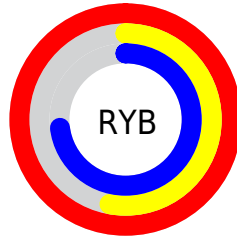
# Distribution



Red (100%)

Green (53%)

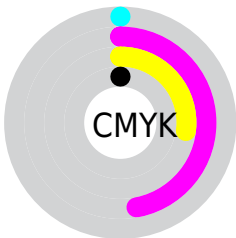
Blue (73%)



Red (100%)

Yellow (53%)

Blue (73%)

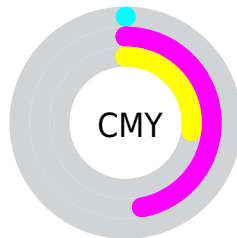


Cyan (0%)

Magenta (47%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6609, 42.0907, 50.9315 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 58.6609, 42.0907, 50.9315 by changing the saturation by 10% instead.





 58.6609, 42.0907,  
50.9315


 58.6609, 42.0907,  
50.9315


409.5584,  
354.8588, 407.1365


 42.5855, 29.1723,  
35.7777


 102.0021, 78.3369,  
92.9640

 29.7532, 19.2112,  
23.9743


 129.9986,  
102.4335, 120.6798

 19.7984, 11.8230,  
15.1025


 162.6996,  
131.0249, 153.4200

 12.3560, 6.6233,  
8.7439

200.4704,  
164.4956, 191.6032

 7.0606, 3.2276,  
4.4800

243.6763,  
203.2299, 235.6479

 3.5467, 1.2517,  
1.8922

292.6827,

 1.4490, 0.1033,

247.6123, 285.9727

0.4878

347.8549,  
298.0271, 342.9961

■ 0.2907, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6609, 42.0907,  
50.9315

■ 58.6609, 42.0907,  
50.9315

■ 54.0304, 35.2128,  
42.0414

■ 64.3098, 50.7421,  
60.9727

■ 50.3482, 29.9767,  
34.2528

■ 71.0343, 61.2743,  
72.2064

■ 47.5400, 26.2420,  
27.5153

■ 78.8911, 73.7931,  
84.6747

■ 45.5176, 23.8415,  
21.7721

■ 87.9319, 88.3947,  
98.4168

■ 44.1700, 22.5624, 95.0500, 100.0000,  
16.9571 108.9000

■ 43.8542, 22.3057,  
15.6961

# Harmonies

## Analogous

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



54.8147, 42.0907, 79.4134



58.6609, 42.0907, 50.9315



56.9629, 42.0907, 29.2434

# Triad

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



58.6609, 42.0907, 50.9315



33.6935, 42.0907, 14.8910



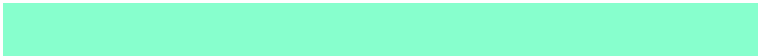
31.1071, 42.0907, 95.3729

# Complementary

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



58.6609, 42.0907, 50.9315



56.7730, 81.0796, 70.4192

# 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.



26.8001, 42.0907, 67.7352



58.6609, 42.0907, 50.9315



28.1379, 42.0907, 23.3673

# Square

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



58.6609, 42.0907, 50.9315



41.7498, 42.0907, 13.1642



25.7958, 42.0907, 41.0804



38.3113, 42.0907, 110.3188



# Rectangle

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



58.6609, 42.0907, 50.9315



53.0220, 42.0907, 20.3104



25.7958, 42.0907, 41.0804



29.3161, 42.0907, 86.8705

# Sweetspot

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



58.6620, 42.0927, 50.9323



81.5262, 78.0302, 88.7375



51.8926, 37.5295, 99.1166



17.0493, 16.0570, 18.3769



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.



58.6620, 42.0927, 50.9323



54.4735, 35.8594, 42.9274



55.7400, 43.2622, 28.3369



18.3233, 18.1126, 20.3194



22.9850, 11.6833, 8.5717



2.2909, 1.1587, 1.1134



# Inverse Universe

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



58.6620, 42.0927, 50.9323



54.4735, 35.8594, 42.9274



60.6954, 77.6766, 106.4019



18.3233, 18.1126, 20.3194



22.9850, 11.6833, 8.5717



2.2909, 1.1587, 1.1134



# Previews

## White Background



This preview shows how the XYZ color 58.6609, 42.0907, 50.9315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

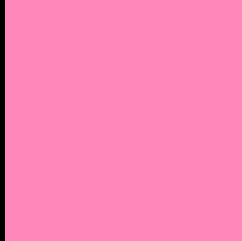
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6609, 42.0907, 50.9315 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 58.6609, 42.0907, 50.9315**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6609, 42.0907, 50.9315.



This preview shows how white text looks on a background with the XYZ color 58.6609, 42.0907,



# 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

58.6609, 42.0907, 50.9315

### Protanopia

41.9870, 42.2155, 66.2571

### Deuteranopia

43.0637, 42.3220, 48.5471



## Tritanopia

55.3373, 42.0122, 34.8983

# Trichromacy



## Original Color

58.6609, 42.0907, 50.9315



## Protanomaly

46.1122, 40.9722, 60.1216



## Deuteranomaly

47.5488, 41.4472, 49.2101



## Tritanomaly

56.4415, 42.0282, 40.2594

# Monochromacy



## Original Color

58.6609, 42.0907, 50.9315



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

46.3354, 42.1151, 48.8669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6609, 42.0907, 50.9315 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, 135, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 185)  
}
```

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, 135, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6609, 42.0907, 50.9315 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, 135, 185) }
```



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

```
.border{ border-color:rgb(255, 135, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6609, 42.0907, 50.9315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 185) }
```

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

```
.background{ background-color: rgb(255,  
135, 185) }
```

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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