

Converting Colors

XYZ(76.3226, 51.5318, 49.2503)

Have a look what the booklet for
XYZ(76.3226, 51.5318, 49.2503)
contains.

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Color

**XYZ(58.2824, 42.1636,
48.2466)**

Conversions

Conversions Part 1

Format	Color
Hex	FF88B4
RGB	255, 136, 180
RGB Percent	100%, 53%, 71%
CMY	0.0000, 0.4666, 0.2941
CMYK	0.00, 0.47, 0.29, 0.00
HSL	338°, 100%, 77%
HSV	338°, 47%, 100%
XYZ	58.2824, 42.1636, 48.2466
YIQ	176.5970, 56.8000, 38.9120

Conversions

Conversions Part 2

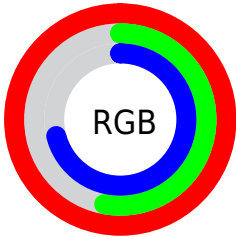
Format	Color
R_{YB}	255, 136, 180
Decimal	16746676
CIE _{Lab}	70.98, 49.86, -2.50
CIE _{LCh}	71, 49.919, 357.125
Yxy	42.1636, 0.3920, 0.2836
Android (android.graphics.Color)	4294936756 (0xFFFF88B4)
YUV	176.5970, 1.6777, 68.7594
Hunter-Lab	64.9335, 46.5827, 1.4001

Details

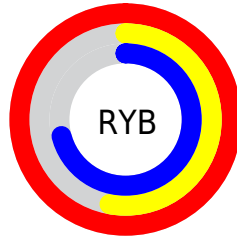
The XYZ color **58.2824, 42.1636, 48.2466** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.6731, 81.4583, 74.3154**, and the grayscale version is **41.5505, 43.7144, 47.6050**.

A 20% lighter version of the original color is **75.2300, 65.0154, 87.9411**, and **29.6130, 19.3027, 22.2437** is the 20% darker color. If you saturate the color by 10%, you get **53.5652, 35.1993, 39.0592**, and if you desaturate by 10%, it is **64.0458, 50.9162, 58.7204**.

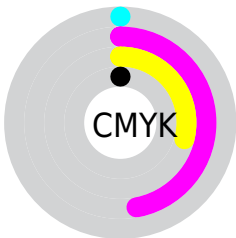
Distribution



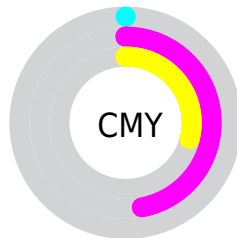
- Red (100%)
- Green (53%)
- Blue (71%)



- Red (100%)
- Yellow (53%)
- Blue (71%)



- Cyan (0%)
- Magenta (47%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2824, 42.1636, 48.2466 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 58.2824, 42.1636, 48.2466 by changing the saturation by 10% instead.


 58.2824, 42.1636,
48.2466


 58.2824, 42.1636,
48.2466


408.1743,
355.1607, 396.3056


 42.2799, 29.2294,
33.6608


 101.4546, 78.4472,
88.9408

 29.5126, 19.2544,
22.3579

 129.3550,
102.5653, 115.8864

 19.6151, 11.8543,
13.9193


 161.9520,
131.1803, 147.7889

 12.2222, 6.6445,
7.9265

199.6110,
164.6764, 185.0670

 6.9685, 3.2408,
3.9608

242.6974,
203.4381, 228.1392

 3.4886, 1.2587,
1.6039

291.5765,

 1.4171, 0.1089,

247.8498, 277.4240

0.2936

346.6137,
298.2959, 333.3400

■ 0.2683, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2824, 42.1636,
48.2466

■ 58.2824, 42.1636,
48.2466

■ 53.5652, 35.1993,
39.0592

■ 64.0458, 50.9162,
58.7204

■ 49.8230, 29.8917,
31.1012

■ 70.9138, 61.5644,
70.5290

■ 46.9803, 26.1003,
24.3142

■ 78.9442, 74.2144,
83.7212

■ 44.9479, 23.6587,
18.6329

■ 88.1897, 88.9624,
98.3421

■ 43.6152, 22.3578, 95.0500, 100.0000,
13.9821 108.9000

■ 43.2729, 22.0732,
12.6350

Harmonies

Analogous

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



55.0784, 42.1636, 75.5595



58.2824, 42.1636, 48.2466



56.0767, 42.1636, 28.0188

Triad

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



58.2824, 42.1636, 48.2466



33.2110, 42.1636, 16.0015



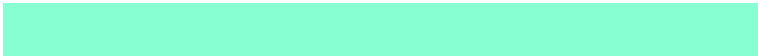
31.9993, 42.1636, 96.1775

Complementary

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



58.2824, 42.1636, 48.2466



57.6731, 81.4583, 74.3154

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.



27.4502, 42.1636, 70.1434



58.2824, 42.1636, 48.2466



28.0787, 42.1636, 25.2503

Square

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



58.2824, 42.1636, 48.2466



40.8834, 42.1636, 13.6575



26.1198, 42.1636, 43.6481



39.2778, 42.1636, 108.6023

Rectangle

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



58.2824, 42.1636, 48.2466



51.9829, 42.1636, 19.8417



26.1198, 42.1636, 43.6481



30.1409, 42.1636, 88.3667

Sweetspot

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



58.2835, 42.1656, 48.2474



81.2863, 77.9343, 87.4746



53.2590, 38.4420, 99.2207



16.9912, 16.0338, 18.0708



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.



58.2835, 42.1656, 48.2474



53.8474, 35.6090, 39.6304



56.5732, 44.8152, 28.9636



18.2870, 18.0981, 20.1287



22.6768, 11.5600, 6.9484



2.2586, 1.1458, 0.9430

Inverse Universe

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



58.2835, 42.1656, 48.2474



53.8474, 35.6090, 39.6304



59.6946, 75.4350, 106.0219



18.2870, 18.0981, 20.1287



22.6768, 11.5600, 6.9484



2.2586, 1.1458, 0.9430

Previews

White Background



This preview shows how the XYZ color 58.2824, 42.1636, 48.2466 looks on a white background.

Color Contrast Check

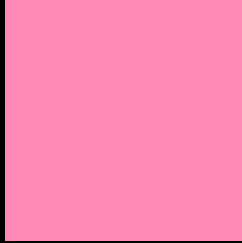
Large Text (above 18pt) WCAG AA × Fail

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 58.2824, 42.1636, 48.2466 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 58.2824, 42.1636, 48.2466

Background



This preview shows how black text looks on a background with the XYZ color 58.2824, 42.1636, 48.2466.



This preview shows how white text looks on a background with the XYZ color 58.2824, 42.1636,

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

58.2824, 42.1636, 48.2466

Protanopia

42.0852, 42.6340, 62.5110

Deuteranopia

43.4117, 42.5474, 46.4819



Tritanopia

55.3373, 42.0122, 34.8983

Trichromacy



Original Color

58.2824, 42.1636, 48.2466



Protanomaly

46.2405, 41.3611, 57.1761



Deuteranomaly

47.7243, 41.5844, 47.1062



Tritanomaly

56.2622, 41.9565, 39.3155

Monochromacy



Original Color

58.2824, 42.1636, 48.2466



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

46.1330, 42.0341, 47.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2824, 42.1636, 48.2466 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, 136, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 180)  
}
```

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, 136, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 180) }
```

Border

The CSS property to change the border of an element to XYZ 58.2824, 42.1636, 48.2466 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, 136, 180) }
```


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

```
.border{ border-color:rgb(255, 136, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2824, 42.1636, 48.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 180) }
```

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

```
.background{ background-color: rgb(255,  
136, 180) }
```

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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