

Converting Colors

XYZ(72.8439, 49.8003, 47.7960)

Have a look what the booklet for
XYZ(72.8439, 49.8003, 47.7960)
contains.

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Color

**XYZ(58.2215, 42.3657,
47.2283)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF89B2 |
| RGB | 255, 137, 178 |
| RGB Percent | 100%, 54%, 70% |
| CMY | 0.0000, 0.4627, 0.3020 |
| CMYK | 0.00, 0.46, 0.30, 0.00 |
| HSL | 339°, 100%, 77% |
| HSV | 339°, 46%, 100% |
| XYZ | 58.2215, 42.3657, 47.2283 |
| YIQ | 176.9560, 57.1670, 37.7670 |

Conversions

Conversions Part 2

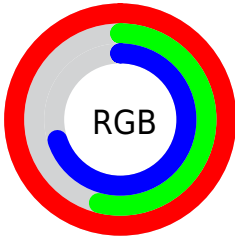
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 255, 137, 178 |
| Decimal | 16746930 |
| CIE _{Lab} | 71.12, 49.11, -1.18 |
| CIE _{LCh} | 71, 49.124, 358.619 |
| Yxy | 42.3657, 0.3939, 0.2866 |
| Android (android.graphics.Color) | 4294937010 (0xFFFF89B2) |
| YUV | 176.9560, 0.5147, 68.4446 |
| Hunter-Lab | 65.0889, 45.7611, 2.5416 |

Details

The XYZ color **58.2215, 42.3657, 47.2283** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.2161, 81.6944, 76.3229**, and the grayscale version is **41.7445, 43.9185, 47.8272**.

A 20% lighter version of the original color is **75.1612, 65.3404, 86.4924**, and **29.5599, 19.4029, 21.5892** is the 20% darker color. If you saturate the color by 10%, you get **53.4448, 35.3259, 37.8868**, and if you desaturate by 10%, it is **64.0597, 51.2037, 57.9245**.

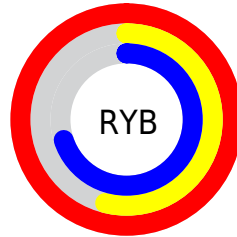
Distribution



Red (100%)

Green (54%)

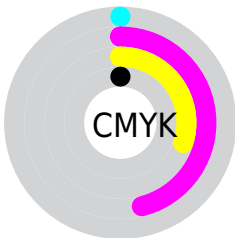
Blue (70%)



Red (100%)

Yellow (54%)

Blue (70%)

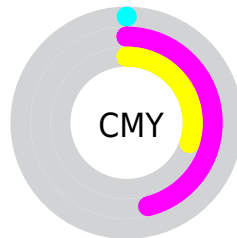


Cyan (0%)

Magenta (46%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2215, 42.3657, 47.2283 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 58.2215, 42.3657, 47.2283 by changing the saturation by 10% instead.


 58.2215, 42.3657,
47.2283


 58.2215, 42.3657,
47.2283

407.9514,
355.9967, 392.1452


 42.2307, 29.3878,
32.8605

 101.3665, 78.7528,
87.4078

 29.4739, 19.3743,
21.7494


 129.2513,
102.9307, 114.0567

 19.5857, 11.9411,
13.4763


 161.8316,
131.6108, 145.6364

 12.2007, 6.7036,
7.6228

199.4726,
165.1774, 182.5653

 6.9537, 3.2774,
3.7702

242.5397,
204.0148, 225.2621

 3.4792, 1.2782,
1.5002

291.3983,

 1.4120, 0.1242,

248.5076, 274.1454

0.2180

346.4138,
299.0401, 329.6335

■ 0.2647, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2215, 42.3657,
47.2283

■ 58.2215, 42.3657,
47.2283

■ 53.4448, 35.3259,
37.8868

■ 64.0597, 51.2037,
57.9245

■ 49.6576, 29.9524,
29.8390

■ 71.0181, 61.9469,
70.0276

■ 46.7840, 26.1057,
23.0225

■ 79.1550, 74.7013,
83.5896

■ 44.7347, 23.6199,
17.3671

■ 88.5235, 89.5632,
98.6590

■ 43.3996, 22.2889, 95.0500, 100.0000,
12.7931 108.9000

■ 43.0261, 21.9745,
11.3357

Harmonies

Analogous

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



55.3212, 42.3657, 73.9370



58.2215, 42.3657, 47.2283



55.7932, 42.3657, 27.6697

Triad

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



58.2215, 42.3657, 47.2283



33.1625, 42.3657, 16.7146



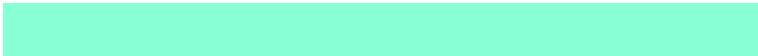
32.5863, 42.3657, 96.5582

Complementary

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



58.2215, 42.3657, 47.2283



58.2161, 81.6944, 76.3229

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.



27.9273, 42.3657, 71.3798



58.2215, 42.3657, 47.2283



28.2268, 42.3657, 26.3478

Square

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



58.2215, 42.3657, 47.2283



40.6493, 42.3657, 14.0648



26.4452, 42.3657, 45.0470



39.8877, 42.3657, 107.7780

Rectangle

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



58.2215, 42.3657, 47.2283



51.6433, 42.3657, 19.8221



26.4452, 42.3657, 45.0470



30.6981, 42.3657, 89.1018

Sweetspot

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



58.2227, 42.3678, 47.2291



81.1732, 77.8890, 86.8788



54.6415, 39.3648, 99.3260



16.9638, 16.0228, 17.9265



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.



58.2227, 42.3678, 47.2291



53.5612, 35.4945, 38.1231



57.4284, 46.4114, 29.6012



18.2699, 18.0913, 20.0384



22.5453, 11.5074, 6.2562



2.2444, 1.1401, 0.8684

Inverse Universe

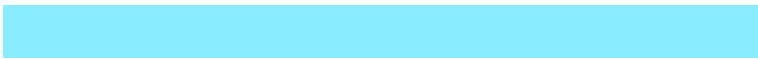
The Inverse Universe completely reimagines the original color for something new.



58.2227, 42.3678, 47.2291



53.5612, 35.4945, 38.1231



58.7392, 73.2819, 105.6567



18.2699, 18.0913, 20.0384



22.5453, 11.5074, 6.2562



2.2444, 1.1401, 0.8684

Previews

White Background



This preview shows how the XYZ color 58.2215, 42.3657, 47.2283 looks on a white background.

Color Contrast Check

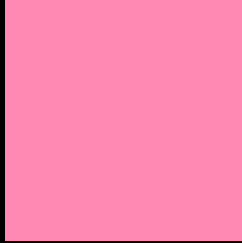
Large Text (above 18pt) WCAG AA × Fail

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 58.2215, 42.3657, 47.2283 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 58.2215, 42.3657, 47.2283

Background



This preview shows how black text looks on a background with the XYZ color 58.2215, 42.3657, 47.2283.



This preview shows how white text looks on a background with the XYZ color 58.2215, 42.3657,

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

58.2215, 42.3657, 47.2283

Protanopia

41.9465, 42.6033, 60.6560

Deuteranopia

43.4690, 42.5995, 45.4666



Tritanopia

55.8485, 42.4956, 34.9647

Trichromacy



Original Color

58.2215, 42.3657, 47.2283



Protanomaly

46.1726, 41.3649, 55.4198



Deuteranomaly

47.8192, 41.6562, 46.0775



Tritanomaly

56.6842, 42.4002, 38.9147

Monochromacy



Original Color

58.2215, 42.3657, 47.2283



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

46.0330, 41.9941, 47.2744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2215, 42.3657, 47.2283 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, 137, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 178)  
}
```

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, 137, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 178) }
```

Border

The CSS property to change the border of an element to XYZ 58.2215, 42.3657, 47.2283 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, 137, 178) }
```


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

```
.border{ border-color:rgb(255, 137, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2215, 42.3657, 47.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 178) }
```

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

```
.background{ background-color: rgb(255,  
137, 178) }
```

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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