

Converting Colors

XYZ(58.6576, 42.7073, 70.3421)

Have a look what the booklet for
XYZ(58.6576, 42.7073, 70.3421)
contains.

XYZ(58.7349, 42.7687, 70.1253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.7349, 42.7687,
70.1253)**

Conversions

Conversions Part 1

Format	Color
Hex	F38CD8
RGB	243, 140, 216
RGB Percent	95%, 55%, 85%
CMY	0.0471, 0.4510, 0.1529
CMYK	0.00, 0.42, 0.11, 0.05
HSL	316°, 81%, 75%
HSV	316°, 42%, 95%
XYZ	58.7349, 42.7687, 70.1253
YIQ	179.4610, 36.9920, 45.4720

Conversions

Conversions Part 2

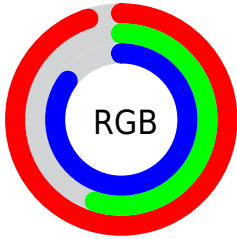
Format	Color
R _Y B	243, 140, 216
Decimal	15961304
CIE Lab	71.40, 49.17, -22.03
CIE LCh	71, 53.878, 335.864
Yxy	42.7687, 0.3422, 0.2492
Android (android.graphics.Color)	4294151384 (0xFFFF38CD8)
YUV	179.4610, 18.0137, 55.7237
Hunter-Lab	65.3978, 45.8679, -17.7975

Details

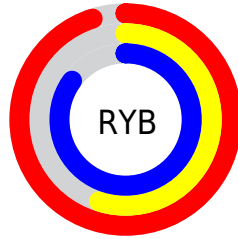
The XYZ color **58.7349, 42.7687, 70.1253** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **49.8427, 72.4680, 47.9229**, and the grayscale version is **42.9879, 45.2266, 49.2518**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **29.7684, 19.5431, 35.9214** is the 20% darker color. If you saturate the color by 10%, you get **54.7609, 36.1127, 64.8160**, and if you desaturate by 10%, it is **63.5274, 51.0093, 75.8659**.

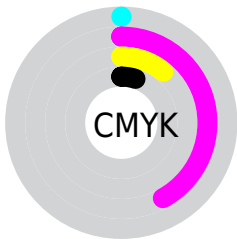
Distribution



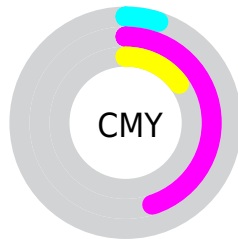
- Red (95%)
- Green (55%)
- Blue (85%)



- Red (95%)
- Yellow (55%)
- Blue (85%)



- Cyan (0%)
- Magenta (42%)
- Yellow (11%)
- Black (5%)





- Cyan (5%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7349, 42.7687, 70.1253 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 58.7349, 42.7687, 70.1253 by changing the saturation by 10% instead.


 58.7349, 42.7687,
70.1253


 58.7349, 42.7687,
70.1253


409.8286,
357.6597, 479.7908

 42.6453, 29.7037,
51.1513

 102.1091, 79.3617,
121.0702

 29.8002, 19.6138,
35.9514


 130.1244,
103.6585, 153.8782

 19.8343, 12.1146,
24.1073


162.8457,
132.4679, 192.1345

 12.3822, 6.8218,
15.2003

200.6382,
166.1745, 236.2578

 7.0786, 3.3509,
8.8119

243.8675,
205.1626, 286.6665

 3.5581, 1.3176,
4.5236

292.8987,

 1.4553, 0.1547,

249.8165, 343.7792

1.9167

348.0973,
300.5208, 408.0145

■ 0.2951, 0.0000,
0.5034

■ 0.0000, 0.0000,
0.0000

■ 58.7349, 42.7687,
70.1253

■ 58.7349, 42.7687,
70.1253

■ 54.7609, 36.1127,
64.8160

■ 63.5274, 51.0093,
75.8659

■ 51.5489, 30.9308,
59.9160


■ 69.1823, 60.9235,
82.0527


■ 49.0414, 27.1079,
55.4049


■ 75.7447, 72.6008,
88.7031

■ 47.1705, 24.5090,
51.2582


■ 83.2558, 86.1225,
95.8323

 45.8545, 22.9710,
47.4467

 89.6429, 97.3430,
102.7512

 45.1294, 22.3216,
44.7361

 90.6476, 97.7449,
108.0419

 90.7725, 97.7949,
108.6998

Harmonies

Analogous

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



51.7488, 42.7687, 99.9121



58.7349, 42.7687, 70.1253



60.5862, 42.7687, 41.6489

Triad

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



58.7349, 42.7687, 70.1253



38.8944, 42.7687, 12.4563



28.0905, 42.7687, 82.3905

Complementary

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



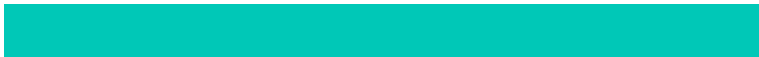
58.7349, 42.7687, 70.1253



49.8427, 72.4680, 47.9229

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.



25.6515, 42.7687, 51.8596



58.7349, 42.7687, 70.1253



31.2644, 42.7687, 16.6837

Square

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



58.7349, 42.7687, 70.1253



48.2076, 42.7687, 14.2396



26.7207, 42.7687, 28.9831



33.9273, 42.7687, 108.6438

Rectangle

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



58.7349, 42.7687, 70.1253



58.4514, 42.7687, 27.9996



26.7207, 42.7687, 28.9831



26.8890, 42.7687, 71.9337

Sweetspot

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



58.7362, 42.7707, 70.1262



84.0036, 80.0958, 98.4708



41.2313, 33.3095, 89.0511



17.6175, 16.4957, 20.7173



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.



58.7362, 42.7707, 70.1262



61.6061, 41.1301, 73.0339



53.2019, 40.5569, 40.9828



17.0173, 16.6898, 19.8376



24.8267, 12.2741, 24.8597



2.2241, 1.0956, 2.4063

Inverse Universe

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



58.7362, 42.7707, 70.1262



61.6061, 41.1301, 73.0339



55.4243, 74.7007, 77.3153



17.0173, 16.6898, 19.8376



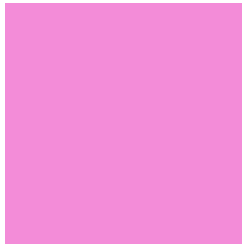
24.8267, 12.2741, 24.8597



2.2241, 1.0956, 2.4063

Previews

White Background



This preview shows how the XYZ color 58.7349, 42.7687, 70.1253 looks on a white background.

Color Contrast Check

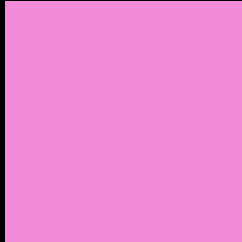
Large Text (above 18pt) WCAG AA × Fail

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 58.7349, 42.7687, 70.1253 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 58.7349, 42.7687, 70.1253

Background



This preview shows how black text looks on a background with the XYZ color 58.7349, 42.7687, 70.1253.



This preview shows how white text looks on a background with the XYZ color 58.7349, 42.7687,

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

58.7349, 42.7687, 70.1253

Protanopia

44.3820, 43.2463, 88.4463

Deuteranopia

43.8750, 42.8929, 66.9395



Tritanopia

52.5132, 42.7464, 39.6655

Trichromacy



Original Color

58.7349, 42.7687, 70.1253



Protanomaly

47.9077, 41.9506, 81.1736



Deuteranomaly

48.2739, 42.1744, 67.8835



Tritanomaly

54.4738, 42.5956, 49.6066

Monochromacy



Original Color

58.7349, 42.7687, 70.1253



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

47.3267, 43.2726, 55.7272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7349, 42.7687, 70.1253 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(243, 140, 216)` looks like.

```
.text, #text, p{  
    color:rgb(243, 140, 216)  
}
```

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(243, 140, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 140, 216) }
```

Border

The CSS property to change the border of an element to XYZ 58.7349, 42.7687, 70.1253 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(243, 140, 216) }
```


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

```
.border{ border-color:rgb(243, 140, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 140, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 140, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 140, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 140,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7349, 42.7687, 70.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 140, 216) }
```

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

```
.background{ background-color: rgb(243,  
140, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor