

Converting Colors

XYZ(121.5518, 83.9184,
91.1124)

Have a look what the booklet for
XYZ(121.5518, 83.9184, 91.1124)
contains.

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Color

**XYZ(72.3453, 58.5427,
89.1482)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0EF
RGB	255, 176, 239
RGB Percent	100%, 69%, 94%
CMY	0.0000, 0.3098, 0.0627
CMYK	0.00, 0.31, 0.06, 0.00
HSL	312°, 100%, 85%
HSV	312°, 31%, 100%
XYZ	72.3453, 58.5427, 89.1482
YIQ	206.8030, 26.8610, 36.3410

Conversions

Conversions Part 2

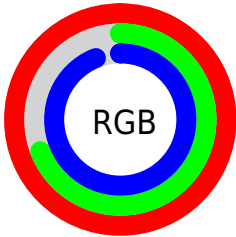
Format	Color
R_{YB}	255, 176, 239
Decimal	16756975
CIE _{Lab}	81.04, 38.25, -19.79
CIE _{LCh}	81, 43.065, 332.638
Yxy	58.5427, 0.3288, 0.2661
Android (android.graphics.Color)	4294947055 (0xFFFFB0EF)
YUV	206.8030, 15.8731, 42.2688
Hunter-Lab	76.5132, 34.8785, -15.5216

Details

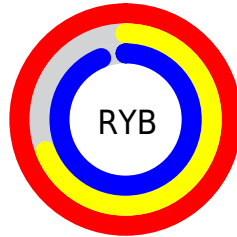
The XYZ color **72.3453, 58.5427, 89.1482** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.1809, 84.5568, 62.8632**, and the grayscale version is **59.0718, 62.1481, 67.6793**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **38.5327, 29.2083, 48.4066** is the 20% darker color. If you saturate the color by 10%, you get **67.0551, 49.1657, 83.6745**, and if you desaturate by 10%, it is **78.5991, 69.8114, 95.0522**.

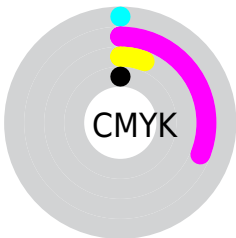
Distribution



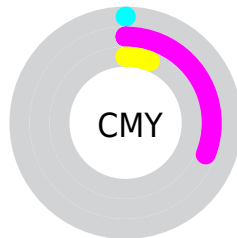
- Red (100%)
- Green (69%)
- Blue (94%)



- Red (100%)
- Yellow (69%)
- Blue (94%)



- Cyan (0%)
- Magenta (31%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (31%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3453, 58.5427, 89.1482 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 72.3453, 58.5427, 89.1482 by changing the saturation by 10% instead.


 72.3453, 58.5427,
89.1482

 72.3453, 58.5427,
89.1482


457.8816,
419.2051, 545.7545

 53.7273, 42.2451,
66.7047

 121.5555,
102.7127, 148.0798

 38.6135, 29.2933,
48.3846

152.8783,
131.3540, 185.4049

 26.6385, 19.3028,
33.7694


189.1668,
164.8785, 228.5277

 17.4371, 11.8893,
22.4406

230.7863,
203.6708, 277.8666

 10.6439, 6.6683,
13.9796

278.1022,
248.1152, 333.8402

 5.8934, 3.2555,
7.9679


331.4798,


 2.8204, 1.2666,


298.5961, 396.8670


3.9869

391.2845,
355.4980, 467.3656


 1.0595, 0.1151,
1.6182


 0.0000, 0.0000,
0.3037


 72.3453, 58.5427,
89.1482


 72.3453, 58.5427,
89.1482


 67.0551, 49.1657,
83.6745


 78.5991, 69.8114,
95.0522

 62.6714, 41.5676,
78.6089

 85.8612, 83.0617,
101.4000

 59.1377, 35.6350,
73.9324

 94.1783, 98.3866,
108.2088

 56.3890, 31.2383,
69.6225

95.0500, 100.0000,
108.9000

■ 54.3506, 28.2287,
65.6534

■ 52.9333, 26.4278,
61.9943

■ 52.0617, 25.5887,
58.9164

Harmonies

Analogous

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



65.4366, 58.5427, 114.8262



72.3453, 58.5427, 89.1482



74.6381, 58.5427, 61.5046

Triad

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



72.3453, 58.5427, 89.1482



54.8559, 58.5427, 26.1325



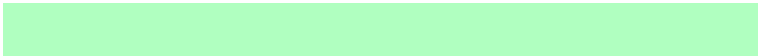
42.3886, 58.5427, 94.1453

Complementary

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



72.3453, 58.5427, 89.1482



63.1809, 84.5568, 62.8632

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.



40.1797, 58.5427, 66.0351



72.3453, 58.5427, 89.1482



46.8790, 58.5427, 30.6286

Square

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



72.3453, 58.5427, 89.1482



63.9222, 58.5427, 29.2599



41.7323, 58.5427, 43.6907



48.1116, 58.5427, 118.2125

Rectangle

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



72.3453, 58.5427, 89.1482



73.0610, 58.5427, 46.6125



41.7323, 58.5427, 43.6907



41.2400, 58.5427, 84.6276

Sweetspot

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



72.3467, 58.5451, 89.1494



87.4212, 85.9256, 102.7097



55.2654, 49.4541, 101.2405



18.4653, 17.9390, 21.7775



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.



72.3467, 58.5451, 89.1494



69.0483, 52.6774, 85.8023



67.1573, 56.4694, 61.8226



18.6257, 18.2336, 21.9122



27.2586, 13.3927, 31.0759



2.6921, 1.3192, 3.2261

Inverse Universe

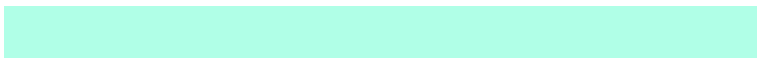
The Inverse Universe completely reimagines the original color for something new.



72.3467, 58.5451, 89.1494



69.0483, 52.6774, 85.8023



68.1323, 86.5374, 88.9374



18.6257, 18.2336, 21.9122



27.2586, 13.3927, 31.0759



2.6921, 1.3192, 3.2261

Previews

White Background



This preview shows how the XYZ color 72.3453, 58.5427, 89.1482 looks on a white background.

Color Contrast Check

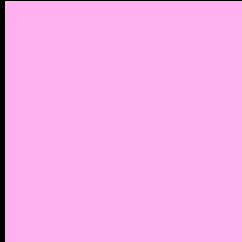
Large Text (above 18pt) WCAG AA × Fail

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 72.3453, 58.5427, 89.1482 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 72.3453, 58.5427, 89.1482

Background



This preview shows how black text looks on a background with the XYZ color 72.3453, 58.5427, 89.1482.

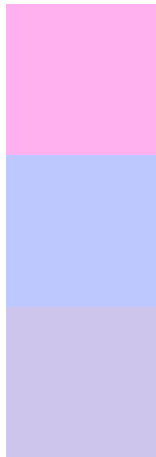


This preview shows how white text looks on a background with the XYZ color 72.3453, 58.5427,

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

72.3453, 58.5427, 89.1482

Protanopia

59.4433, 59.2199, 102.9053

Deuteranopia

60.1385, 58.9098, 86.7984



Tritanopia

66.7579, 58.6822, 61.2344

Trichromacy



Original Color

72.3453, 58.5427, 89.1482



Protanomaly

62.8811, 58.0982, 97.5224



Deuteranomaly

63.7693, 58.1393, 87.2179



Tritanomaly

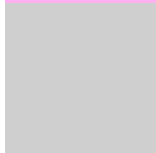
68.6790, 58.5473, 70.6318

Monochromacy



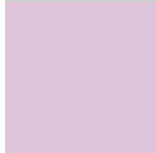
Original Color

72.3453, 58.5427, 89.1482



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

63.2666, 60.4416, 75.3497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3453, 58.5427, 89.1482 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, 176, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 239)  
}
```

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, 176, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 239) }
```

Border

The CSS property to change the border of an element to XYZ 72.3453, 58.5427, 89.1482 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, 176, 239) }
```


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

```
.border{ border-color:rgb(255, 176, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3453, 58.5427, 89.1482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 239) }
```

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

```
.background{ background-color: rgb(255,  
176, 239) }
```

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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