

Converting Colors

XYZ(68.3954, 49.6656, 77.7043)

Have a look what the booklet for
XYZ(68.3954, 49.6656, 77.7043)
contains.

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Color

**XYZ(65.7149, 48.2459,
77.8003)**

Conversions

Conversions Part 1

Format	Color
Hex	FF95E2
RGB	255, 149, 226
RGB Percent	100%, 58%, 89%
CMY	0.0000, 0.4157, 0.1137
CMYK	0.00, 0.42, 0.11, 0.00
HSL	316°, 100%, 79%
HSV	316°, 42%, 100%
XYZ	65.7149, 48.2459, 77.8003
YIQ	189.4720, 38.4590, 46.4190

Conversions

Conversions Part 2

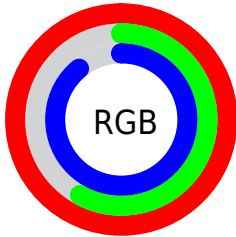
Format	Color
R _Y B	255, 149, 226
Decimal	16750050
CIE Lab	74.98, 49.97, -21.94
CIE LCh	75, 54.575, 336.296
Yxy	48.2459, 0.3427, 0.2516
Android (android.graphics.Color)	4294940130 (0xFFFF95E2)
YUV	189.4720, 18.0083, 57.4681
Hunter-Lab	69.4593, 47.3238, -17.7884

Details

The XYZ color **65.7149, 48.2459, 77.8003** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.1920, 81.1247, 54.8194**, and the grayscale version is **48.5259, 51.0530, 55.5967**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **34.2078, 22.8605, 41.1376** is the 20% darker color. If you saturate the color by 10%, you get **61.1753, 40.6676, 71.6599**, and if you desaturate by 10%, it is **71.1788, 57.6100, 84.4422**.

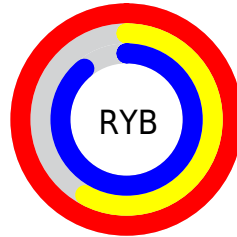
Distribution



Red (100%)

Green (58%)

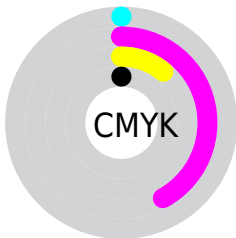
Blue (89%)



Red (100%)

Yellow (58%)

Blue (89%)

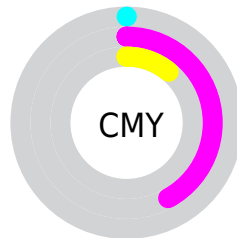


Cyan (0%)

Magenta (42%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (42%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7149, 48.2459, 77.8003 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 65.7149, 48.2459, 77.8003 by changing the saturation by 10% instead.


 65.7149, 48.2459,
77.8003


 65.7149, 48.2459,
77.8003


434.8613,
379.7660, 506.9983

 48.3079, 34.0217,
57.3945


 112.1370, 87.5704,
132.0519

 34.2830, 22.9102,
40.9106

 141.8828,
113.4395, 166.7347

 23.2750, 14.5272,
27.9300

176.4723,
143.9589, 207.0136

 14.9185, 8.4883,
18.0343

216.2707,
179.5132, 253.3071

 8.8482, 4.4089,
10.8049

261.6434,
220.4866, 306.0338

 4.6986, 1.9048,
5.8233

312.9559,

 2.1044, 0.5513,

267.2636, 365.6122

2.6709

370.5734,
320.2286, 432.4609

■ 0.6916, 0.0000,
0.9287

■ 0.0000, 0.0000,
0.0000

■ 65.7149, 48.2459,
77.8003

■ 65.7149, 48.2459,
77.8003

■ 61.1753, 40.6676,
71.6599

■ 71.1788, 57.6100,
84.4422

■ 57.4979, 34.7524,
65.9962

■ 77.6171, 68.8601,
91.6028

■ 54.6182, 30.3717,
60.7861

■ 85.0801, 82.0958,
99.3015

■ 52.4607, 27.3751,
56.0020

■ 93.6137, 97.4082,
107.5559

■ 50.9345, 25.5819, 95.0500, 100.0000,
51.6114 108.9000

■ 50.0216, 24.7727,
48.1735

Harmonies

Analogous

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



58.1487, 48.2459, 110.2727



65.7149, 48.2459, 77.8003



67.6396, 48.2459, 46.7449

Triad

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



65.7149, 48.2459, 77.8003



43.7885, 48.2459, 14.7066



32.0920, 48.2459, 92.1325

Complementary

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



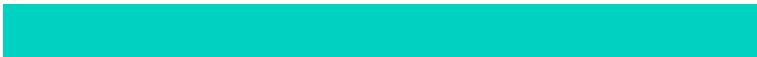
65.7149, 48.2459, 77.8003



56.1920, 81.1247, 54.8194

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.



29.3376, 48.2459, 58.7772



65.7149, 48.2459, 77.8003



35.4311, 48.2459, 19.5738

Square

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



65.7149, 48.2459, 77.8003



53.9913, 48.2459, 16.6223



30.4652, 48.2459, 33.4287



38.5824, 48.2459, 120.4279

Rectangle

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



65.7149, 48.2459, 77.8003



65.2507, 48.2459, 31.7927



30.4652, 48.2459, 33.4287



30.7448, 48.2459, 80.7584

Sweetspot

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



65.7160, 48.2479, 77.8013



84.7344, 81.4790, 98.9561



46.9918, 38.0959, 99.4843



17.9165, 17.0475, 20.9594



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.



65.7160, 48.2479, 77.8013



61.8279, 41.7417, 72.5896



59.6029, 45.8027, 45.6101



18.5681, 18.2106, 21.6090



26.2035, 12.9707, 25.5200



2.5974, 1.2813, 2.7272

Inverse Universe

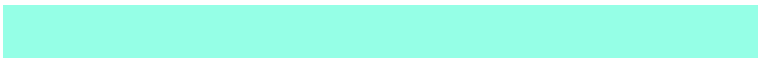
The Inverse Universe completely reimagines the original color for something new.



65.7160, 48.2479, 77.8013



61.8279, 41.7417, 72.5896



62.4762, 83.6384, 87.9115



18.5681, 18.2106, 21.6090



26.2035, 12.9707, 25.5200



2.5974, 1.2813, 2.7272

Previews

White Background



This preview shows how the XYZ color 65.7149, 48.2459, 77.8003 looks on a white background.

Color Contrast Check

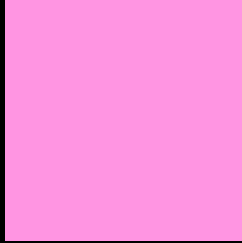
Large Text (above 18pt) WCAG AA × Fail

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 65.7149, 48.2459, 77.8003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

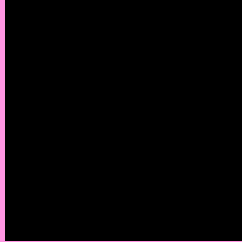
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.7149, 48.2459, 77.8003

Background



This preview shows how black text looks on a background with the XYZ color 65.7149, 48.2459, 77.8003.



This preview shows how white text looks on a background with the XYZ color 65.7149, 48.2459,

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

65.7149, 48.2459, 77.8003

Protanopia

49.9147, 48.8761, 97.2457

Deuteranopia

49.6918, 48.6542, 74.4823



Tritanopia

59.0841, 48.2599, 45.2307

Trichromacy



Original Color

65.7149, 48.2459, 77.8003



Protanomaly

53.7288, 47.4825, 89.5523



Deuteranomaly

54.2368, 47.4987, 75.4168



Tritanomaly

61.1866, 48.0919, 55.9270

Monochromacy



Original Color

65.7149, 48.2459, 77.8003



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.2373, 48.6825, 62.4679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7149, 48.2459, 77.8003 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, 149, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 226)  
}
```

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, 149, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 226) }
```

Border

The CSS property to change the border of an element to XYZ 65.7149, 48.2459, 77.8003 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, 149, 226) }
```


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

```
.border{ border-color:rgb(255, 149, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 149, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 149, 226); box-shadow:4px 4px 4px 4px rgb(255, 149, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7149, 48.2459, 77.8003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 226) }
```

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

```
.background{ background-color: rgb(255,  
149, 226) }
```

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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