

Converting Colors

XYZ(82.2544, 56.6813, 81.7645)

Have a look what the booklet for
XYZ(82.2544, 56.6813, 81.7645)
contains.

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Color

**XYZ(66.2704, 48.4681,
80.7254)**

Conversions

Conversions Part 1

Format	Color
Hex	FF95E6
RGB	255, 149, 230
RGB Percent	100%, 58%, 90%
CMY	0.0000, 0.4157, 0.0980
CMYK	0.00, 0.42, 0.10, 0.00
HSL	314°, 100%, 79%
HSV	314°, 42%, 100%
XYZ	66.2704, 48.4681, 80.7254
YIQ	189.9280, 37.1750, 47.6630

Conversions

Conversions Part 2

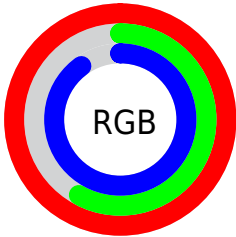
Format	Color
R_{YB}	255, 149, 230
Decimal	16750054
CIE _{Lab}	75.12, 50.61, -23.91
CIE _{LCh}	75, 55.977, 334.711
Yxy	48.4681, 0.3390, 0.2480
Android (android.graphics.Color)	4294940134 (0xFFFF95E6)
YUV	189.9280, 19.7555, 57.0681
Hunter-Lab	69.6190, 48.0809, -20.0152

Details

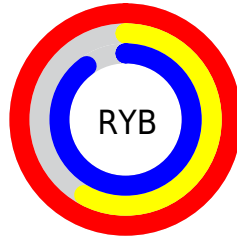
The XYZ color **66.2704, 48.4681, 80.7254** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.7961, 80.9664, 52.7345**, and the grayscale version is **48.7783, 51.3186, 55.8860**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **34.4971, 22.9762, 42.6610** is the 20% darker color. If you saturate the color by 10%, you get **61.8387, 40.9330, 75.1531**, and if you desaturate by 10%, it is **71.6166, 57.7851, 86.7475**.

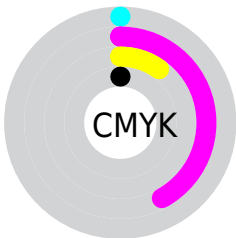
Distribution



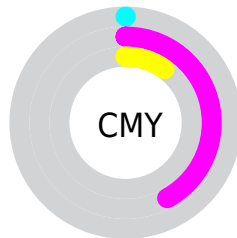
- Red (100%)
- Green (58%)
- Blue (90%)



- Red (100%)
- Yellow (58%)
- Blue (90%)



- Cyan (0%)
- Magenta (42%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2704, 48.4681, 80.7254 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 66.2704, 48.4681, 80.7254 by changing the saturation by 10% instead.


 66.2704, 48.4681,
80.7254


 66.2704, 48.4681,
80.7254


436.8167,
380.6446, 517.1452

 48.7605, 34.1977,
59.7858

 112.9299, 87.9010,
136.2057

 34.6432, 23.0455,
42.8218

 142.8102,
113.8322, 171.5835

 23.5534, 14.6271,
29.4150


177.5447,
144.4193, 212.6111

 15.1256, 8.5581,
19.1467

217.4986,
180.0464, 259.7071

 8.9945, 4.4541,
11.5984

263.0374,
221.0982, 313.2899

 4.7947, 1.9307,
6.3517

314.5265,

 2.1608, 0.5667,

267.9588, 373.7782

2.9878

372.3311,
321.0128, 441.5905

■ 0.7220, 0.0000,
1.0884

■ 0.0000, 0.0000,
0.0000

■ 66.2704, 48.4681,
80.7254

■ 66.2704, 48.4681,
80.7254

■ 61.8387, 40.9330,
75.1531

■ 71.6166, 57.7851,
86.7475

■ 58.2595, 35.0571,
70.0068

■ 77.9272, 68.9841,
93.2357

■ 55.4686, 30.7118,
65.2641

■ 85.2524, 82.1646,
100.2086

■ 53.3905, 27.7470,
60.8984

■ 93.6379, 97.4178,
107.6830

■ 51.9347, 25.9820, 95.0500, 100.0000,
56.8781 108.9000

■ 51.0742, 25.1937,
53.7161

Harmonies

Analogous

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



58.2186, 48.4681, 114.0534



66.2704, 48.4681, 80.7254



68.6183, 48.4681, 48.2748

Triad

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



66.2704, 48.4681, 80.7254



44.4686, 48.4681, 14.1542



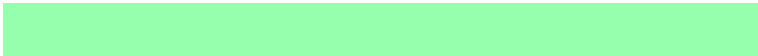
31.6987, 48.4681, 91.8542

Complementary

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



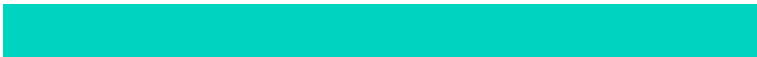
66.2704, 48.4681, 80.7254



55.7961, 80.9664, 52.7345

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.



29.0933, 48.4681, 57.5434



66.2704, 48.4681, 80.7254



35.7369, 48.4681, 18.6579

Square

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



66.2704, 48.4681, 80.7254



55.0044, 48.4681, 16.4360



30.4545, 48.4681, 32.1575



38.1551, 48.4681, 121.9744

Rectangle

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



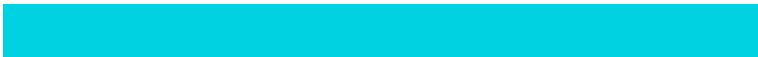
66.2704, 48.4681, 80.7254



66.3775, 48.4681, 32.5297



30.4545, 48.4681, 32.1575



30.3908, 48.4681, 80.0425

Sweetspot

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



66.2715, 48.4701, 80.7264



84.9129, 81.5504, 99.8958



46.1957, 37.6855, 99.4470



17.9586, 17.0643, 21.1814



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.



66.2715, 48.4701, 80.7264



62.4750, 42.0006, 75.9972



59.9513, 45.9420, 47.4448



18.5987, 18.2228, 21.7697



26.7482, 13.1886, 28.3883



2.6465, 1.3010, 2.9858

Inverse Universe

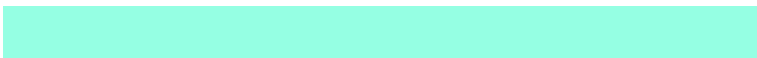
The Inverse Universe completely reimagines the original color for something new.



66.2715, 48.4701, 80.7264



62.4750, 42.0006, 75.9972



61.9842, 83.4416, 85.3204



18.5987, 18.2228, 21.7697



26.7482, 13.1886, 28.3883



2.6465, 1.3010, 2.9858

Previews

White Background



This preview shows how the XYZ color 66.2704, 48.4681, 80.7254 looks on a white background.

Color Contrast Check

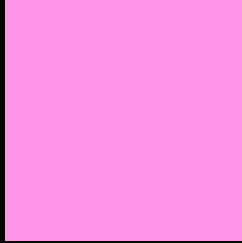
Large Text (above 18pt) WCAG AA × Fail

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 66.2704, 48.4681, 80.7254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

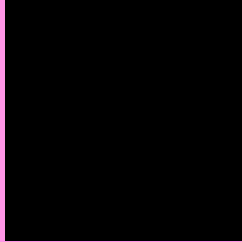
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2704, 48.4681, 80.7254

Background



This preview shows how black text looks on a background with the XYZ color 66.2704, 48.4681, 80.7254.



This preview shows how white text looks on a background with the XYZ color 66.2704, 48.4681,

80.7254.

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

66.2704, 48.4681, 80.7254

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

49.7456, 48.6199, 77.2837



Tritanopia

58.9991, 48.4633, 45.7799

Trichromacy



Original Color

66.2704, 48.4681, 80.7254



Protanomaly

54.2234, 47.6500, 93.5283



Deuteranomaly

54.4938, 47.5686, 78.2610



Tritanomaly

61.5782, 48.5182, 57.1584

Monochromacy



Original Color

66.2704, 48.4681, 80.7254



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.0810, 49.3639, 64.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2704, 48.4681, 80.7254 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 230) }
```

Border

The CSS property to change the border of an element to XYZ 66.2704, 48.4681, 80.7254 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, 230) }
```


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

```
.border{ border-color:rgb(255, 149, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2704, 48.4681, 80.7254 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
149, 230) }
```

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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