

Converting Colors

XYZ(78.1023, 54.8285, 82.5893)

Have a look what the booklet for
XYZ(78.1023, 54.8285, 82.5893)
contains.

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Color

**XYZ(66.7118, 48.8989,
82.2663)**

Conversions

Conversions Part 1

Format	Color
Hex	FF96E8
RGB	255, 150, 232
RGB Percent	100%, 59%, 91%
CMY	0.0000, 0.4117, 0.0902
CMYK	0.00, 0.41, 0.09, 0.00
HSL	313°, 100%, 79%
HSV	313°, 41%, 100%
XYZ	66.7118, 48.8989, 82.2663
YIQ	190.7430, 36.2580, 47.7620

Conversions

Conversions Part 2

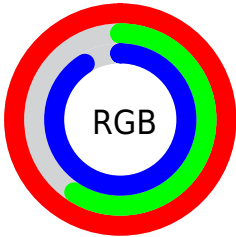
Format	Color
RYB	255, 150, 232
Decimal	16750312
CIELab	75.39, 50.43, -24.59
CIELCh	75, 56.111, 334.005
Yxy	48.8989, 0.3371, 0.2471
Android (android.graphics.Color)	4294940392 (0xFFFF96E8)
YUV	190.7430, 20.3397, 56.3534
Hunter-Lab	69.9277, 47.9173, -20.8021

Details

The XYZ color **66.7118, 48.8989, 82.2663** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.8822, 81.0220, 52.2314**, and the grayscale version is **49.2450, 51.8096, 56.4207**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **34.7843, 23.2361, 43.7260** is the 20% darker color. If you saturate the color by 10%, you get **62.2958, 41.3163, 76.9420**, and if you desaturate by 10%, it is **72.0407, 58.2662, 88.0205**.

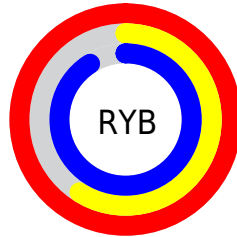
Distribution



Red (100%)

Green (59%)

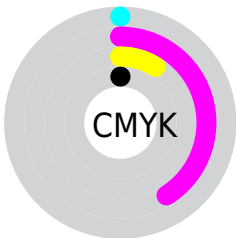
Blue (91%)



Red (100%)

Yellow (59%)

Blue (91%)

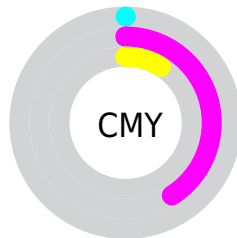


Cyan (0%)

Magenta (41%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7118, 48.8989, 82.2663 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 66.7118, 48.8989, 82.2663 by changing the saturation by 10% instead.


 66.7118, 48.8989,
82.2663


 66.7118, 48.8989,
82.2663


438.3668,
382.3442, 522.4448

 49.1203, 34.5393,
61.0480

 113.5594, 88.5413,
138.3874

 34.9298, 23.3082,
43.8331


 143.5463,
114.5928, 174.1273

 23.7751, 14.8212,
30.2031


178.3956,
145.3105, 215.5447

 15.2907, 8.6940,
19.7394

218.4727,
181.0787, 263.0583

 9.1113, 4.5422,
12.0236

264.1431,
222.2817, 317.0866

 4.8715, 1.9812,
6.6370

315.7720,

 2.2061, 0.5965,

269.3041, 378.0481

3.1612

373.7248,
322.5301, 446.3613

■ 0.7459, 0.0000,
1.1775

■ 0.0000, 0.0000,
0.0000

■ 66.7118, 48.8989,
82.2663

■ 66.7118, 48.8989,
82.2663

■ 62.2958, 41.3163,
76.9420

■ 72.0407, 58.2662,
88.0205

■ 58.7308, 35.3962,
72.0241

■ 78.3319, 69.5177,
94.2204

■ 55.9530, 31.0107,
67.4907

■ 85.6355, 82.7530,
100.8845

■ 53.8874, 28.0105,
63.3157

■ 93.9970, 98.0626,
108.0290

■ 52.4444, 26.2164,
59.4680

95.0500, 100.0000,
108.9000

■ 51.5653, 25.3901,
56.3021

Harmonies

Analogous

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



58.4929, 48.8989, 115.6856



66.7118, 48.8989, 82.2663



69.2380, 48.8989, 49.3678

Triad

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



66.7118, 48.8989, 82.2663



45.1035, 48.8989, 14.2711



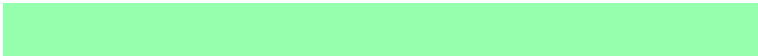
31.8801, 48.8989, 91.8100

Complementary

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



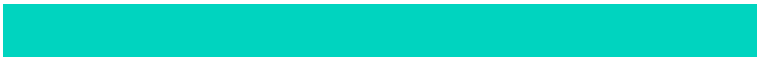
66.7118, 48.8989, 82.2663



55.8822, 81.0220, 52.2314

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.



29.3464, 48.8989, 57.3150



66.7118, 48.8989, 82.2663



36.2307, 48.8989, 18.6397

Square

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



66.7118, 48.8989, 82.2663



55.7366, 48.8989, 16.7351



30.8133, 48.8989, 32.0010



38.3042, 48.8989, 122.4791

Rectangle

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



66.7118, 48.8989, 82.2663



67.0834, 48.8989, 33.2931



30.8133, 48.8989, 32.0010



30.5922, 48.8989, 79.8967

Sweetspot

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



66.7130, 48.9010, 82.2673



84.9927, 81.5823, 100.3161



46.1368, 37.8910, 99.4898



17.9775, 17.0719, 21.2808



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.



66.7130, 48.9010, 82.2673



63.1815, 42.8194, 78.0643



60.3606, 46.3600, 48.8160



18.6123, 18.2282, 21.8415



27.0021, 13.2901, 29.7252



2.6692, 1.3101, 3.1056

Inverse Universe

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



66.7130, 48.9010, 82.2673



63.1815, 42.8194, 78.0643



61.9638, 83.4546, 84.2569



18.6123, 18.2282, 21.8415



27.0021, 13.2901, 29.7252



2.6692, 1.3101, 3.1056

Previews

White Background



This preview shows how the XYZ color 66.7118, 48.8989, 82.2663 looks on a white background.

Color Contrast Check

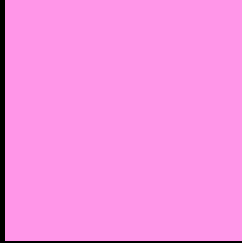
Large Text (above 18pt) WCAG AA × Fail

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 66.7118, 48.8989, 82.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

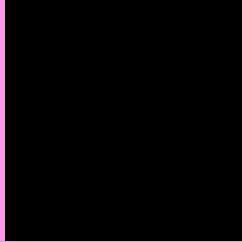
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7118, 48.8989, 82.2663

Background



This preview shows how black text looks on a background with the XYZ color 66.7118, 48.8989, 82.2663.



This preview shows how white text looks on a background with the XYZ color 66.7118, 48.8989,

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

66.7118, 48.8989, 82.2663

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.2226, 49.1372, 78.7889



Tritanopia

59.2717, 48.8531, 46.3500

Trichromacy



Original Color

66.7118, 48.8989, 82.2663



Protanomaly

54.8297, 48.2262, 94.4144



Deuteranomaly

54.9567, 48.0525, 79.7773



Tritanomaly

61.8608, 48.9031, 57.8086

Monochromacy



Original Color

66.7118, 48.8989, 82.2663



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.3975, 49.8030, 65.1384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7118, 48.8989, 82.2663 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, 150, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 232)  
}
```

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, 150, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 232) }
```

Border

The CSS property to change the border of an element to XYZ 66.7118, 48.8989, 82.2663 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, 150, 232) }
```


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

```
.border{ border-color:rgb(255, 150, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7118, 48.8989, 82.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 232) }
```

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

```
.background{ background-color: rgb(255,  
150, 232) }
```

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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