

Converting Colors

XYZ(66.3776, 47.9977, 82.8719)

Have a look what the booklet for
XYZ(66.3776, 47.9977, 82.8719)
contains.

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Color

**XYZ(66.3817, 48.0106,
82.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	FF93E9
RGB	255, 147, 233
RGB Percent	100%, 58%, 91%
CMY	0.0000, 0.4235, 0.0863
CMYK	0.00, 0.42, 0.09, 0.00
HSL	312°, 100%, 79%
HSV	312°, 42%, 100%
XYZ	66.3817, 48.0106, 82.8591
YIQ	189.0960, 36.7620, 49.6420

Conversions

Conversions Part 2

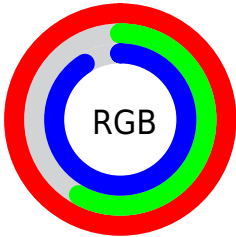
Format	Color
R _Y B	255, 147, 233
Decimal	16749545
CIE Lab	74.83, 52.10, -25.99
CIE LCh	75, 58.222, 333.488
Yxy	48.0106, 0.3365, 0.2434
Android (android.graphics.Color)	4294939625 (0xFFFF93E9)
YUV	189.0960, 21.6447, 57.7978
Hunter-Lab	69.2897, 49.7517, -22.3983

Details

The XYZ color **66.3817, 48.0106, 82.8591** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.9556, 80.5884, 50.1973**, and the grayscale version is **48.2913, 50.8062, 55.3279**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **34.6151, 22.7388, 44.1596** is the 20% darker color. If you saturate the color by 10%, you get **62.1158, 40.6488, 77.8301**, and if you desaturate by 10%, it is **71.5504, 57.1426, 88.2980**.

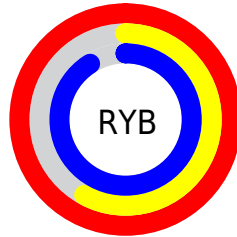
Distribution



Red (100%)

Green (58%)

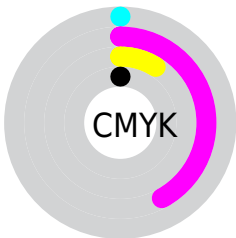
Blue (91%)



Red (100%)

Yellow (58%)

Blue (91%)

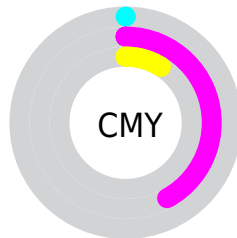


Cyan (0%)

Magenta (42%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3817, 48.0106, 82.8591 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 66.3817, 48.0106, 82.8591 by changing the saturation by 10% instead.


 66.3817, 48.0106,
82.8591


 66.3817, 48.0106,
82.8591


437.2079,
378.8341, 524.4755

 48.8512, 33.8353,
61.5340


 113.0887, 87.2202,
139.2256

 34.7155, 22.7671,
44.2229


 142.9959,
113.0232, 175.1040

 23.6093, 14.4216,
30.5073


177.7593,
143.4710, 216.6706

 15.1672, 8.4145,
19.9687

217.7444,
178.9479, 264.3440

 9.0239, 4.3613,
12.1884

263.3164,
219.8382, 318.5426

 4.8140, 1.8777,
6.7480

314.8408,

 2.1722, 0.5349,

266.5264, 379.6851

3.2290

372.6828,
319.3970, 448.1898

■ 0.7280, 0.0000,
1.2127

■ 0.0000, 0.0000,
0.0000

■ 66.3817, 48.0106,
82.8591

■ 66.3817, 48.0106,
82.8591

■ 62.1158, 40.6488,
77.8301

■ 71.5504, 57.1426,
88.2980

■ 58.6904, 34.9336,
73.1875

■ 77.6721, 68.1456,
94.1627

■ 56.0407, 30.7354,
68.9094

■ 84.7972, 81.1198,
100.4715

■ 54.0904, 27.9020,
64.9695

■ 92.9716, 96.1567,
107.2405

■ 52.7475, 26.2494,
61.3362

95.0500, 100.0000,
108.9000

■ 52.0260, 25.5744,
58.7284

Harmonies

Analogous

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



57.8125, 48.0106, 117.5359



66.3817, 48.0106, 82.8591



69.1185, 48.0106, 48.8075

Triad

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



66.3817, 48.0106, 82.8591



44.4051, 48.0106, 13.0038



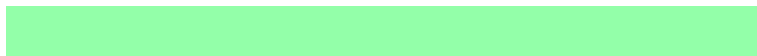
30.6727, 48.0106, 91.4961

Complementary

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



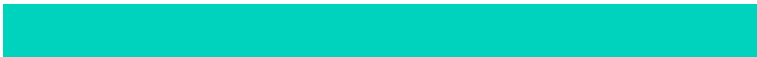
66.3817, 48.0106, 82.8591



54.9556, 80.5884, 50.1973

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.



28.1793, 48.0106, 55.9038



66.3817, 48.0106, 82.8591



35.2962, 48.0106, 17.1685

Square

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



66.3817, 48.0106, 82.8591



55.3367, 48.0106, 15.5345



29.7320, 48.0106, 30.3298



37.1351, 48.0106, 123.7301

Rectangle

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



66.3817, 48.0106, 82.8591



66.9662, 48.0106, 32.3108



29.7320, 48.0106, 30.3298



29.3922, 48.0106, 79.1266

Sweetspot

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



66.3828, 48.0126, 82.8601



84.3031, 80.2156, 100.0480



44.7622, 36.4807, 99.2900



17.6919, 16.5255, 21.1094



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.



66.3828, 48.0126, 82.8601



62.6415, 41.5443, 78.4863



59.8523, 45.4004, 48.4711



18.6248, 18.2332, 21.9072



27.2402, 13.3854, 30.9788



2.6905, 1.3186, 3.2174

Inverse Universe

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



66.3828, 48.0126, 82.8601



62.6415, 41.5443, 78.4863



61.0594, 83.0299, 82.3391



18.6248, 18.2332, 21.9072



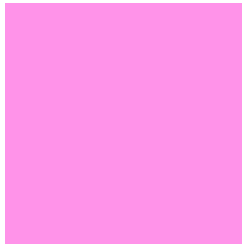
27.2402, 13.3854, 30.9788



2.6905, 1.3186, 3.2174

Previews

White Background



This preview shows how the XYZ color 66.3817, 48.0106, 82.8591 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 66.3817, 48.0106, 82.8591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

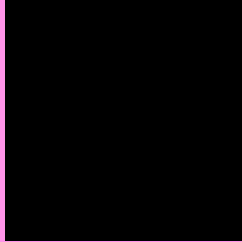
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.3817, 48.0106, 82.8591

Background



This preview shows how black text looks on a background with the XYZ color 66.3817, 48.0106, 82.8591.



This preview shows how white text looks on a background with the XYZ color 66.3817, 48.0106,

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

66.3817, 48.0106, 82.8591

Protanopia

49.8822, 48.4624, 101.3329

Deuteranopia

49.4451, 48.4176, 79.4125



Tritanopia

58.7286, 48.0766, 45.2141

Trichromacy



Original Color

66.3817, 48.0106, 82.8591



Protanomaly

53.7414, 46.8271, 94.2017



Deuteranomaly

54.3432, 47.4430, 80.4220



Tritanomaly

61.2426, 47.8470, 57.0465

Monochromacy



Original Color

66.3817, 48.0106, 82.8591



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.5961, 48.8260, 64.3572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3817, 48.0106, 82.8591 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, 147, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 233)  
}
```

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, 147, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 233) }
```

Border

The CSS property to change the border of an element to XYZ 66.3817, 48.0106, 82.8591 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, 147, 233) }
```


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

```
.border{ border-color:rgb(255, 147, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 147, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3817, 48.0106, 82.8591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 233) }
```

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

```
.background{ background-color: rgb(255,  
147, 233) }
```

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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