

Converting Colors

XYZ(66.0400, 48.0988, 80.3669)

Have a look what the booklet for
XYZ(66.0400, 48.0988, 80.3669)
contains.

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Color

**XYZ(66.1128, 48.1530,
80.6728)**

Conversions

Conversions Part 1

Format	Color
Hex	FF94E6
RGB	255, 148, 230
RGB Percent	100%, 58%, 90%
CMY	0.0000, 0.4196, 0.0980
CMYK	0.00, 0.42, 0.10, 0.00
HSL	314°, 100%, 79%
HSV	314°, 42%, 100%
XYZ	66.1128, 48.1530, 80.6728
YIQ	189.3410, 37.4500, 48.1860

Conversions

Conversions Part 2

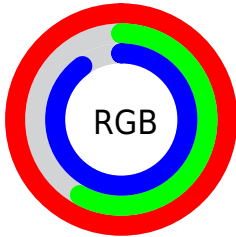
Format	Color
R_{YB}	255, 148, 230
Decimal	16749798
CIE _{Lab}	74.92, 51.11, -24.21
CIE _{LCh}	75, 56.559, 334.651
Yxy	48.1530, 0.3391, 0.2470
Android (android.graphics.Color)	4294939878 (0xFFFF94E6)
YUV	189.3410, 20.0449, 57.5829
Hunter-Lab	69.3924, 48.6273, -20.3535

Details

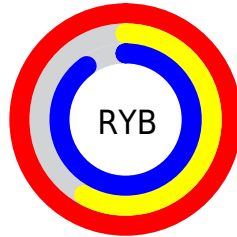
The XYZ color **66.1128, 48.1530, 80.6728** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.5173, 80.8338, 52.2144**, and the grayscale version is **48.4400, 50.9627, 55.4983**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **34.4076, 22.7972, 42.6312** is the 20% darker color. If you saturate the color by 10%, you get **61.7222, 40.6879, 75.1518**, and if you desaturate by 10%, it is **71.4152, 57.3955, 86.6400**.

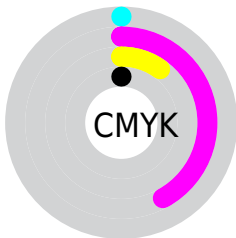
Distribution



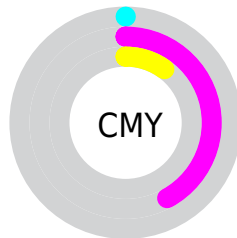
- Red (100%)
- Green (58%)
- Blue (90%)



- 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 66.1128, 48.1530, 80.6728 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 66.1128, 48.1530, 80.6728 by changing the saturation by 10% instead.


 66.1128, 48.1530,
80.6728


 66.1128, 48.1530,
80.6728


436.2625,
379.3983, 516.9638

 48.6320, 33.9481,
59.7427

 112.7050, 87.4322,
136.1312

 34.5410, 22.8537,
42.7874


 142.5472,
113.2752, 171.4966

 23.4744, 14.4855,
29.3881

177.2406,
143.7663, 212.5108

 15.0668, 8.4591,
19.1265

217.1505,
179.2901, 259.5924

 8.9529, 4.3901,
11.5840

262.6422,
220.2307, 313.1600

 4.7673, 1.8941,
6.3420

314.0813,

 2.1447, 0.5448,

266.9727, 373.6321

2.9820

371.8329,
319.9004, 441.4271

■ 0.7134, 0.0000,
1.0855

■ 0.0000, 0.0000,
0.0000

■ 66.1128, 48.1530,
80.6728

■ 66.1128, 48.1530,
80.6728

■ 61.7222, 40.6879,
75.1518

■ 71.4152, 57.3955,
86.6400

■ 58.1812, 34.8770,
70.0532

■ 77.6794, 68.5156,
93.0698

■ 55.4252, 30.5910,
65.3545

■ 84.9559, 81.6135,
99.9807

■ 53.3783, 27.6789,
61.0290

■ 93.2903, 96.7803,
107.3895

■ 51.9491, 25.9583, 95.0500, 100.0000,
57.0449 108.9000

■ 51.1378, 25.2191,
54.0510

Harmonies

Analogous

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



57.9845, 48.1530, 114.3415



66.1128, 48.1530, 80.6728



68.4954, 48.1530, 47.9617

Triad

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



66.1128, 48.1530, 80.6728



44.1798, 48.1530, 13.7695



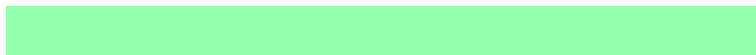
31.3258, 48.1530, 91.7696

Complementary

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



66.1128, 48.1530, 80.6728



55.5173, 80.8338, 52.2144

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.



28.7224, 48.1530, 57.1684



66.1128, 48.1530, 80.6728



35.4005, 48.1530, 18.2313

Square

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



66.1128, 48.1530, 80.6728



54.7865, 48.1530, 16.0490



30.0943, 48.1530, 31.6939



37.7978, 48.1530, 122.2566

Rectangle

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



66.1128, 48.1530, 80.6728



66.2431, 48.1530, 32.1435



30.0943, 48.1530, 31.6939



30.0173, 48.1530, 79.8415

Sweetspot

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



66.1139, 48.1550, 80.6738



84.1493, 80.1540, 99.2378



45.8682, 37.2828, 99.3865



17.6537, 16.5102, 20.9079



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.



66.1139, 48.1550, 80.6738



62.5133, 42.0159, 76.1991



59.7207, 45.5977, 47.0076



18.6005, 18.2235, 21.7791



26.7811, 13.2017, 28.5615



2.6494, 1.3022, 3.0014

Inverse Universe

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



66.1139, 48.1550, 80.6738



62.5133, 42.0159, 76.1991



61.7657, 83.3332, 85.1185



18.6005, 18.2235, 21.7791



26.7811, 13.2017, 28.5615



2.6494, 1.3022, 3.0014

Previews

White Background



This preview shows how the XYZ color 66.1128, 48.1530, 80.6728 looks on a white background.

Color Contrast Check

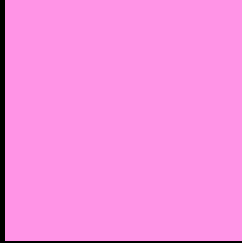
Large Text (above 18pt) WCAG AA × Fail

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 66.1128, 48.1530, 80.6728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

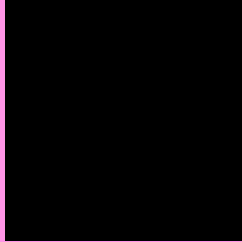
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.1128, 48.1530, 80.6728

Background



This preview shows how black text looks on a background with the XYZ color 66.1128, 48.1530, 80.6728.



This preview shows how white text looks on a background with the XYZ color 66.1128, 48.1530,

80.6728.

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

66.1128, 48.1530, 80.6728

Protanopia

49.8822, 48.4624, 101.3329

Deuteranopia

49.5069, 48.4968, 77.2725



Tritanopia

58.7286, 48.0766, 45.2141

Trichromacy



Original Color

66.1128, 48.1530, 80.6728



Protanomaly

53.7742, 47.1390, 93.4533



Deuteranomaly

54.2099, 47.4222, 78.2477



Tritanomaly

61.2978, 48.1364, 56.5126

Monochromacy



Original Color

66.1128, 48.1530, 80.6728



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.4757, 48.7779, 63.7233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1128, 48.1530, 80.6728 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, 148, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 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, 148, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 230) }
```

Border

The CSS property to change the border of an element to XYZ 66.1128, 48.1530, 80.6728 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, 148, 230) }
```


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

```
.border{ border-color:rgb(255, 148, 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, 148, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 148, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 148, 230); box-shadow:4px 4px 4px 4px rgb(255, 148, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1128, 48.1530, 80.6728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 230) }
```

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

```
.background{ background-color: rgb(255,  
148, 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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