

Converting Colors

XYZ(64.9737, 46.4214, 78.6077)

Have a look what the booklet for
XYZ(64.9737, 46.4214, 78.6077)
contains.

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Color

**XYZ(65.0661, 46.5064,
78.9461)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8FE4
RGB	255, 143, 228
RGB Percent	100%, 56%, 89%
CMY	0.0000, 0.4392, 0.1059
CMYK	0.00, 0.44, 0.11, 0.00
HSL	314°, 100%, 78%
HSV	314°, 44%, 100%
XYZ	65.0661, 46.5064, 78.9461
YIQ	186.1780, 39.4670, 50.1790

Conversions

Conversions Part 2

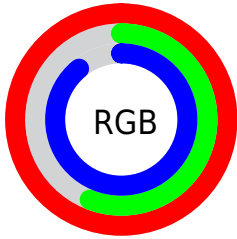
Format	Color
R _Y B	255, 143, 228
Decimal	16748516
CIE Lab	73.87, 53.28, -24.72
CIE LCh	74, 58.738, 335.110
Yxy	46.5064, 0.3415, 0.2441
Android (android.graphics.Color)	4294938596 (0xFFFF8FE4)
YUV	186.1780, 20.6182, 60.3569
Hunter-Lab	68.1956, 50.9663, -20.8997

Details

The XYZ color **65.0661, 46.5064, 78.9461** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.3450, 80.2627, 50.6609**, and the grayscale version is **46.6457, 49.0749, 53.4426**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **33.7837, 21.8591, 41.4684** is the 20% darker color. If you saturate the color by 10%, you get **60.8256, 39.3670, 73.3970**, and if you desaturate by 10%, it is **70.2089, 55.4017, 84.9469**.

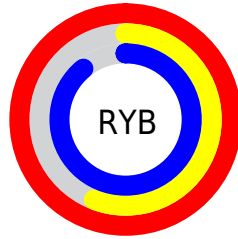
Distribution



Red (100%)

Green (56%)

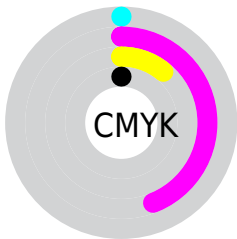
Blue (89%)



Red (100%)

Yellow (56%)

Blue (89%)

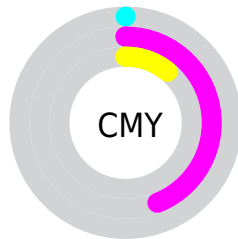


Cyan (0%)

Magenta (44%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0661, 46.5064, 78.9461 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 65.0661, 46.5064, 78.9461 by changing the saturation by 10% instead.


 65.0661, 46.5064,
78.9461


 65.0661, 46.5064,
78.9461


432.5709,
372.8408, 510.9868

 47.7796, 32.6456,
58.3304

 111.2101, 84.9764,
133.6810

 33.8629, 21.8551,
41.6579


 140.7982,
110.3543, 168.6372

 22.9507, 13.7505,
28.5099


175.2176,
140.3402, 209.2108

 14.6776, 7.9473,
18.4680

214.8336,
175.3182, 255.8202

 8.6783, 4.0613,
11.1136

260.0116,
215.6729, 308.8839

 4.5873, 1.7079,
6.0282


311.1169,


 2.0395, 0.4288,


261.7887, 368.8206


2.7932

368.5149,
314.0498, 436.0487


 0.6560, 0.0000,
0.9900


 0.0000, 0.0000,
0.0000


 65.0661, 46.5064,
78.9461


 65.0661, 46.5064,
78.9461


 60.8256, 39.3670,
73.3970


 70.2089, 55.4017,
84.9469

 57.4244, 33.8581,
68.2753

 76.3054, 66.1553,
91.4162

 54.7958, 29.8470,
63.5577

 83.4065, 78.8688,
98.3731

 52.8617, 27.1777,
59.2168

 91.5588, 93.6345,
105.8347

■ 51.5263, 25.6594, 95.0500, 100.0000,
55.2188 108.9000

■ 50.9244, 25.1337,
52.9271

Harmonies

Analogous

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



56.8053, 46.5064, 113.8627



65.0661, 46.5064, 78.9461



67.4069, 46.5064, 45.6798

Triad

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



65.0661, 46.5064, 78.9461



42.4361, 46.5064, 12.2114



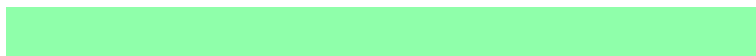
29.7103, 46.5064, 91.5030

Complementary

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



65.0661, 46.5064, 78.9461



54.3450, 80.2627, 50.6609

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.



27.0481, 46.5064, 55.9417



65.0661, 46.5064, 78.9461



33.6176, 46.5064, 16.6280

Square

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



65.0661, 46.5064, 78.9461



53.2171, 46.5064, 14.3043



28.3572, 46.5064, 30.0624



36.2689, 46.5064, 122.8946

Rectangle

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



65.0661, 46.5064, 78.9461



65.0239, 46.5064, 29.9210



28.3572, 46.5064, 30.0624



28.3815, 46.5064, 79.2158

Sweetspot

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



65.0671, 46.5083, 78.9470



84.1112, 80.1388, 99.0376



44.2653, 35.3172, 99.0916



17.6442, 16.5064, 20.8581



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.



65.0671, 46.5083, 78.9470



61.1794, 39.9533, 73.8889



58.5938, 43.9190, 44.8589



18.5944, 18.2211, 21.7474



26.6707, 13.1576, 27.9803



2.6395, 1.2982, 2.9492

Inverse Universe

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



65.0671, 46.5083, 78.9470



61.1794, 39.9533, 73.8889



60.6978, 82.8038, 84.1144



18.5944, 18.2211, 21.7474



26.6707, 13.1576, 27.9803



2.6395, 1.2982, 2.9492

Previews

White Background



This preview shows how the XYZ color 65.0661, 46.5064, 78.9461 looks on a white background.

Color Contrast Check

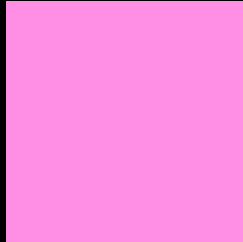
Large Text (above 18pt) WCAG AA × Fail

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 65.0661, 46.5064, 78.9461 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 65.0661, 46.5064, 78.9461

Background



This preview shows how black text looks on a background with the XYZ color 65.0661, 46.5064, 78.9461.



This preview shows how white text looks on a background with the XYZ color 65.0661, 46.5064,

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

65.0661, 46.5064, 78.9461

Protanopia

48.4682, 46.8311, 101.0925

Deuteranopia

47.9276, 46.8180, 75.6180



Tritanopia

57.5749, 46.5234, 42.5046

Trichromacy



Original Color

65.0661, 46.5064, 78.9461



Protanomaly

52.3658, 45.3343, 92.3766



Deuteranomaly

52.6418, 45.5575, 76.5400



Tritanomaly

60.0356, 46.3166, 53.9199

Monochromacy



Original Color

65.0661, 46.5064, 78.9461



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

51.7813, 46.8154, 61.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0661, 46.5064, 78.9461 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, 143, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 228)  
}
```

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, 143, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 228) }
```

Border

The CSS property to change the border of an element to XYZ 65.0661, 46.5064, 78.9461 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, 143, 228) }
```


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

```
.border{ border-color:rgb(255, 143, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 143, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0661, 46.5064, 78.9461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 228) }
```

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

```
.background{ background-color: rgb(255,  
143, 228) }
```

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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