

Converting Colors

XYZ(64.0206, 46.6586, 71.6821)

Have a look what the booklet for
XYZ(64.0206, 46.6586, 71.6821)
contains.

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Color

**XYZ(64.0203, 46.5728,
71.9449)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91DA
RGB	255, 145, 218
RGB Percent	100%, 57%, 85%
CMY	0.0000, 0.4313, 0.1451
CMYK	0.00, 0.43, 0.15, 0.00
HSL	320°, 100%, 78%
HSV	320°, 43%, 100%
XYZ	64.0203, 46.5728, 71.9449
YIQ	186.2120, 42.1270, 46.0230

Conversions

Conversions Part 2

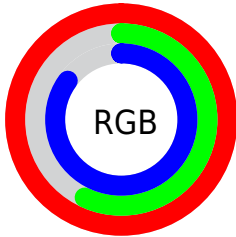
Format	Color
R_{YB}	255, 145, 218
Decimal	16749018
CIE _{Lab}	73.92, 50.72, -19.17
CIE _{LCh}	74, 54.226, 339.296
Yxy	46.5728, 0.3507, 0.2551
Android (android.graphics.Color)	4294939098 (0xFFFF91DA)
YUV	186.2120, 15.6715, 60.3271
Hunter-Lab	68.2443, 48.0243, -14.7341

Details

The XYZ color **64.0203, 46.5728, 71.9449** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.8823, 80.9180, 56.9325**, and the grayscale version is **46.6906, 49.1221, 53.4940**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **33.1169, 21.8623, 37.1247** is the 20% darker color. If you saturate the color by 10%, you get **59.4584, 39.1990, 65.0291**, and if you desaturate by 10%, it is **69.5169, 55.7226, 79.4600**.

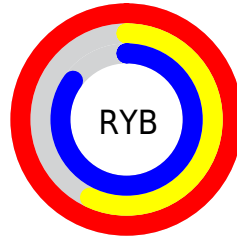
Distribution



Red (100%)

Green (57%)

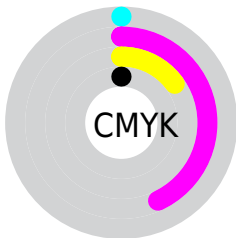
Blue (85%)



Red (100%)

Yellow (57%)

Blue (85%)

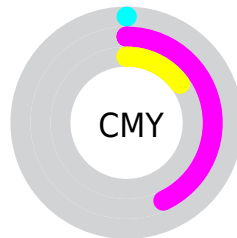


Cyan (0%)

Magenta (43%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.0203, 46.5728, 71.9449 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 64.0203, 46.5728, 71.9449 by changing the saturation by 10% instead.


 64.0203, 46.5728,
71.9449

 64.0203, 46.5728,
71.9449


428.8640,
373.1067, 486.3222

 46.9289, 32.6981,
52.6271


 109.7137, 85.0756,
123.6852

 33.1871, 21.8952,
37.1195


 139.0465,
110.4724, 156.9447

 22.4298, 13.7799,
25.0035


173.1903,
140.4788, 195.6887

 14.2914, 7.9678,
15.8606

212.5106,
175.4790, 240.3354

 8.4067, 4.0743,
9.2723

257.3728,
215.8575, 291.3036

 4.4102, 1.7152,
4.8200

308.1422,

 1.9367, 0.4335,

261.9987, 349.0118

2.0851

365.1841,
314.2870, 413.8785

■ 0.5980, 0.0000,
0.6069

■ 0.0000, 0.0000,
0.0000

■ 64.0203, 46.5728,
71.9449

■ 64.0203, 46.5728,
71.9449

■ 59.4584, 39.1990,
65.0291

■ 69.5169, 55.7226,
79.4600

■ 55.7678, 33.4764,
58.6855

■ 75.9994, 66.7500,
87.5940

■ 52.8821, 29.2735,
52.8882

■ 83.5191, 79.7563,
96.3686

■ 50.7234, 26.4360,
47.6068

■ 92.1229, 94.8336,
105.8036

■ 49.1974, 24.7764,
42.8050

95.0500, 100.0000,
108.9000

■ 48.4225, 24.1330,
39.7525

Harmonies

Analogous

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



57.1069, 46.5728, 104.0431



64.0203, 46.5728, 71.9449



65.2506, 46.5728, 42.5907

Triad

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



64.0203, 46.5728, 71.9449



41.3320, 46.5728, 14.2377



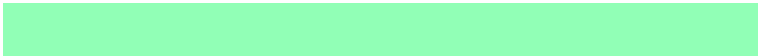
31.3878, 46.5728, 92.4277

Complementary

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



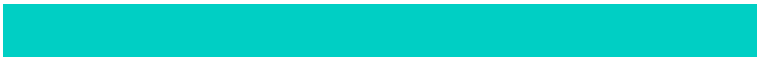
64.0203, 46.5728, 71.9449



55.8823, 80.9180, 56.9325

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.



28.3451, 46.5728, 59.8004



64.0203, 46.5728, 71.9449



33.5106, 46.5728, 19.6710

Square

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



64.0203, 46.5728, 71.9449



51.1652, 46.5728, 15.4441



29.0612, 46.5728, 34.1277



38.0168, 46.5728, 118.5485

Rectangle

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



64.0203, 46.5728, 71.9449



62.5275, 46.5728, 28.8742



29.0612, 46.5728, 34.1277



29.9589, 46.5728, 81.4587

Sweetspot

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



64.0214, 46.5748, 71.9458



83.6277, 79.9454, 96.4913



47.3902, 37.3779, 99.3247



17.5242, 16.4584, 20.2261



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.



64.0214, 46.5748, 71.9458



59.9311, 39.9504, 65.7846



58.0077, 44.1693, 40.2779



18.5177, 18.1904, 21.3434



25.3742, 12.6390, 21.1529



2.5215, 1.2510, 2.3279

Inverse Universe

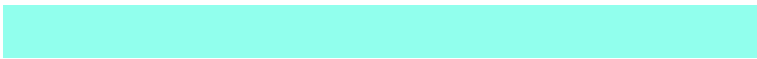
The Inverse Universe completely reimagines the original color for something new.



64.0214, 46.5748, 71.9458



59.9311, 39.9504, 65.7846



62.6758, 83.6354, 92.7064



18.5177, 18.1904, 21.3434



25.3742, 12.6390, 21.1529



2.5215, 1.2510, 2.3279

Previews

White Background



This preview shows how the XYZ color 64.0203, 46.5728, 71.9449 looks on a white background.

Color Contrast Check

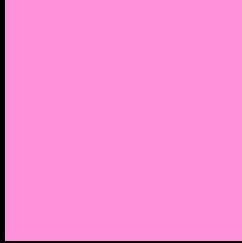
Large Text (above 18pt) WCAG AA × Fail

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 64.0203, 46.5728, 71.9449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

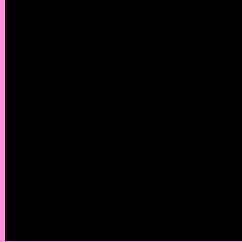
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0203, 46.5728, 71.9449

Background



This preview shows how black text looks on a background with the XYZ color 64.0203, 46.5728, 71.9449.



This preview shows how white text looks on a background with the XYZ color 64.0203, 46.5728,

71.9449.

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

64.0203, 46.5728, 71.9449

Protanopia

48.0160, 47.1129, 91.3570

Deuteranopia

47.8116, 46.9085, 68.8217



Tritanopia

57.7633, 46.3724, 42.4655

Trichromacy



Original Color

64.0203, 46.5728, 71.9449



Protanomaly

51.9587, 45.5837, 83.9019



Deuteranomaly

52.3522, 45.8291, 69.7050



Tritanomaly

59.7132, 46.1876, 52.2222

Monochromacy



Original Color

64.0203, 46.5728, 71.9449



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

51.6199, 47.0519, 59.7873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0203, 46.5728, 71.9449 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, 145, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 218)  
}
```

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, 145, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 218) }
```

Border

The CSS property to change the border of an element to XYZ 64.0203, 46.5728, 71.9449 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, 145, 218) }
```


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

```
.border{ border-color:rgb(255, 145, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0203, 46.5728, 71.9449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 218) }
```

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

```
.background{ background-color: rgb(255,  
145, 218) }
```

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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