

Converting Colors

XYZ(63.9407, 46.6266, 71.2615)

Have a look what the booklet for
XYZ(63.9407, 46.6266, 71.2615)
contains.

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Color

**XYZ(63.8898, 46.5206,
71.2576)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91D9
RGB	255, 145, 217
RGB Percent	100%, 57%, 85%
CMY	0.0000, 0.4313, 0.1490
CMYK	0.00, 0.43, 0.15, 0.00
HSL	321°, 100%, 78%
HSV	321°, 43%, 100%
XYZ	63.8898, 46.5206, 71.2576
YIQ	186.0980, 42.4480, 45.7120

Conversions

Conversions Part 2

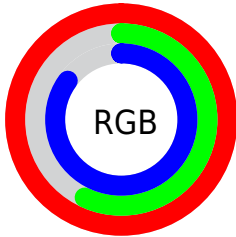
Format	Color
R _Y B	255, 145, 217
Decimal	16749017
CIE Lab	73.88, 50.57, -18.67
CIE LCh	74, 53.908, 339.734
Yxy	46.5206, 0.3517, 0.2561
Android (android.graphics.Color)	4294939097 (0xFFFF91D9)
YUV	186.0980, 15.2347, 60.4271
Hunter-Lab	68.2060, 47.8436, -14.1985

Details

The XYZ color **63.8898, 46.5206, 71.2576** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.9861, 80.9595, 57.4789**, and the grayscale version is **46.6290, 49.0573, 53.4234**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **33.0276, 21.8266, 36.6546** is the 20% darker color. If you saturate the color by 10%, you get **59.3060, 39.1381, 64.2266**, and if you desaturate by 10%, it is **69.4113, 55.6803, 78.9041**.

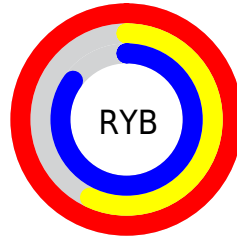
Distribution



Red (100%)

Green (57%)

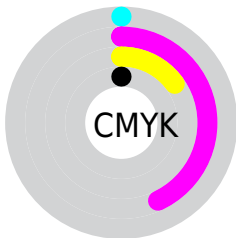
Blue (85%)



Red (100%)

Yellow (57%)

Blue (85%)

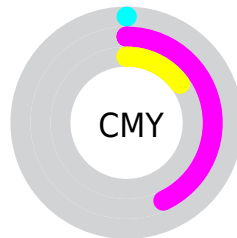


Cyan (0%)

Magenta (43%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8898, 46.5206, 71.2576 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 63.8898, 46.5206, 71.2576 by changing the saturation by 10% instead.


 63.8898, 46.5206,
71.2576


 63.8898, 46.5206,
71.2576


428.4001,
372.8977, 483.8613

 46.8228, 32.6568,
52.0693

 109.5268, 84.9976,
122.6983

 33.1029, 21.8637,
36.6777


 138.8276,
110.3796, 155.7878

 22.3649, 13.7568,
24.6642


172.9369,
140.3698, 194.3482

 14.2434, 7.9517,
15.6103

212.2202,
175.3526, 238.7979

 8.3730, 4.0641,
9.0975

257.0428,
215.7124, 289.5556

 4.3883, 1.7095,
4.7071

307.7701,

 1.9241, 0.4298,

261.8336, 347.0397

2.0208

364.7674,
314.1006, 411.6687

■ 0.5908, 0.0000,
0.5680

■ 0.0000, 0.0000,
0.0000

■ 63.8898, 46.5206,
71.2576

■ 63.8898, 46.5206,
71.2576

■ 59.3060, 39.1381,
64.2266

■ 69.4113, 55.6803,
78.9041

■ 55.5965, 33.4079,
57.7837

■ 75.9219, 66.7190,
87.1860

■ 52.6949, 29.1986,
51.9025

■ 83.4730, 79.7379,
96.1256

■ 50.5231, 26.3558,
46.5520

■ 92.1113, 94.8290,
105.7428

■ 48.9867, 24.6921, 95.0500, 100.0000,
41.6958 108.9000

■ 48.2063, 24.0465,
38.6142

Harmonies

Analogous

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



57.0955, 46.5206, 103.1484



63.8898, 46.5206, 71.2576



65.0171, 46.5206, 42.2309

Triad

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



63.8898, 46.5206, 71.2576



41.1685, 46.5206, 14.3744



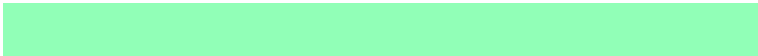
31.4869, 46.5206, 92.5136

Complementary

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



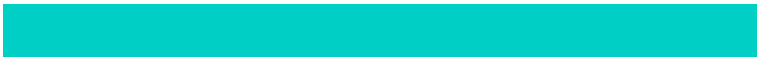
63.8898, 46.5206, 71.2576



55.9861, 80.9595, 57.4789

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.



28.4055, 46.5206, 60.1265



63.8898, 46.5206, 71.2576



33.4362, 46.5206, 19.9070

Square

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



63.8898, 46.5206, 71.2576



50.9228, 46.5206, 15.4864



29.0633, 46.5206, 34.4608



38.1264, 46.5206, 118.1840

Rectangle

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



63.8898, 46.5206, 71.2576



62.2582, 46.5206, 28.6985



29.0633, 46.5206, 34.4608



30.0476, 46.5206, 81.6543

Sweetspot

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



63.8909, 46.5226, 71.2585



83.5820, 79.9271, 96.2506



47.3902, 37.3779, 99.3247



17.5129, 16.4538, 20.1665



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.



63.8909, 46.5226, 71.2585



59.7810, 39.8904, 64.9944



58.0077, 44.1693, 40.2779



18.5104, 18.1875, 21.3051



25.2619, 12.5941, 20.5616



2.5112, 1.2468, 2.2732

Inverse Universe

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



63.8909, 46.5226, 71.2585



59.7810, 39.8904, 64.9944



62.6758, 83.6354, 92.7064



18.5104, 18.1875, 21.3051



25.2619, 12.5941, 20.5616



2.5112, 1.2468, 2.2732

Previews

White Background



This preview shows how the XYZ color 63.8898, 46.5206, 71.2576 looks on a white background.

Color Contrast Check

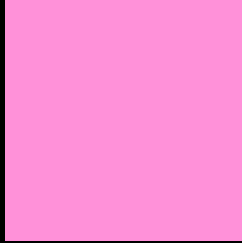
Large Text (above 18pt) WCAG AA × Fail

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 63.8898, 46.5206, 71.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

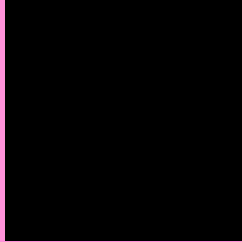
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8898, 46.5206, 71.2576

Background



This preview shows how black text looks on a background with the XYZ color 63.8898, 46.5206, 71.2576.



This preview shows how white text looks on a background with the XYZ color 63.8898, 46.5206,

71.2576.

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

63.8898, 46.5206, 71.2576

Protanopia

47.8653, 47.0527, 90.5637

Deuteranopia

47.9280, 46.9830, 68.1706



Tritanopia

57.7633, 46.3724, 42.4655

Trichromacy



Original Color

63.8898, 46.5206, 71.2576



Protanomaly

51.8154, 45.5264, 83.1473



Deuteranomaly

52.5104, 45.9254, 69.0477



Tritanomaly

59.6072, 46.1452, 51.6642

Monochromacy



Original Color

63.8898, 46.5206, 71.2576



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

51.5049, 47.0059, 59.1818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8898, 46.5206, 71.2576 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 217) }
```

Border

The CSS property to change the border of an element to XYZ 63.8898, 46.5206, 71.2576 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, 217) }
```


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

```
.border{ border-color:rgb(255, 145, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8898, 46.5206, 71.2576 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
145, 217) }
```

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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