

Converting Colors

XYZ(97.7181, 64.9504, 72.7457)

Have a look what the booklet for
XYZ(97.7181, 64.9504, 72.7457)
contains.

XYZ(64.5118, 47.7646, 71.4650)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.5118, 47.7646,
71.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	FF95D9
RGB	255, 149, 217
RGB Percent	100%, 58%, 85%
CMY	0.0000, 0.4157, 0.1490
CMYK	0.00, 0.42, 0.15, 0.00
HSL	322°, 100%, 79%
HSV	322°, 42%, 100%
XYZ	64.5118, 47.7646, 71.4650
YIQ	188.4460, 41.3480, 43.6200

Conversions

Conversions Part 2

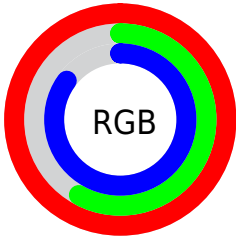
Format	Color
RYB	255, 149, 217
Decimal	16750041
CIELab	74.68, 48.56, -17.47
CIELCh	75, 51.612, 340.213
Yxy	47.7646, 0.3511, 0.2600
Android (android.graphics.Color)	4294940121 (0xFFFF95D9)
YUV	188.4460, 14.0771, 58.3679
Hunter-Lab	69.1119, 45.6730, -12.9303

Details

The XYZ color **64.5118, 47.7646, 71.4650** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.1258, 81.4982, 59.7366**, and the grayscale version is **47.9607, 50.4584, 54.9492**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **33.3787, 22.5288, 36.7717** is the 20% darker color. If you saturate the color by 10%, you get **59.7538, 40.0990, 64.1742**, and if you desaturate by 10%, it is **70.2211, 57.2269, 79.3991**.

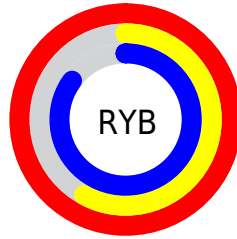
Distribution



Red (100%)

Green (58%)

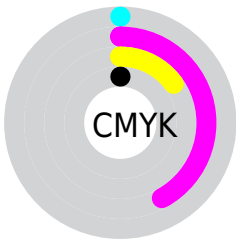
Blue (85%)



Red (100%)

Yellow (58%)

Blue (85%)

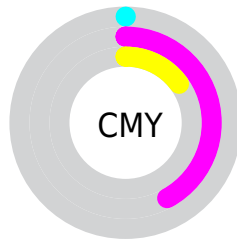


Cyan (0%)

Magenta (42%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5118, 47.7646, 71.4650 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 64.5118, 47.7646, 71.4650 by changing the saturation by 10% instead.


 64.5118, 47.7646,
71.4650


 64.5118, 47.7646,
71.4650


430.6085,
377.8583, 484.6047

 47.3286, 33.6405,
52.2376

 110.4173, 86.8538,
122.9962

 33.5045, 22.6176,
36.8109


 139.8703,
112.5877, 156.1371

 22.6743, 14.3114,
24.7665


174.1439,
142.9604, 194.7530

 14.4726, 8.3376,
15.6857

213.6034,
178.3561, 239.2622

 8.5340, 4.3117,
9.1501

258.6143,
219.1594, 290.0835

 4.4931, 1.8494,
4.7411

309.5419,

 1.9847, 0.5177,

265.7546, 347.6353

2.0401

366.7515,
318.5261, 412.3362

■ 0.6254, 0.0000,
0.5798

■ 0.0000, 0.0000,
0.0000

■ 64.5118, 47.7646,
71.4650

■ 64.5118, 47.7646,
71.4650

■ 59.7538, 40.0990,
64.1742

■ 70.2211, 57.2269,
79.3991

■ 55.8843, 34.1069,
57.4987

■ 76.9323, 68.5861,
87.9967

■ 52.8381, 29.6596,
51.4122

■ 84.6963, 81.9422,
97.2802

■ 50.5392, 26.6065,
45.8838

■ 93.5594, 97.3864,
107.2702

■ 48.8961, 24.7665,
40.8774

95.0500, 100.0000,
108.9000

■ 47.9031, 23.9252,
37.0175

Harmonies

Analogous

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



58.0286, 47.7646, 102.0904



64.5118, 47.7646, 71.4650



65.4987, 47.7646, 43.3987

Triad

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



64.5118, 47.7646, 71.4650



42.2839, 47.7646, 16.0020



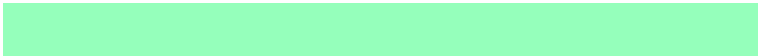
33.0031, 47.7646, 92.8543

Complementary

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



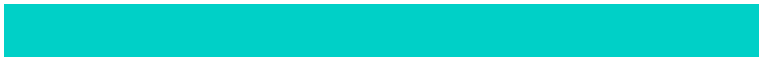
64.5118, 47.7646, 71.4650



57.1258, 81.4982, 59.7366

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.



29.8995, 47.7646, 61.6856



64.5118, 47.7646, 71.4650



34.7490, 47.7646, 21.7568

Square

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



64.5118, 47.7646, 71.4650



51.7633, 47.7646, 17.0376



30.4914, 47.7646, 36.4472



39.5787, 47.7646, 117.0885

Rectangle

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



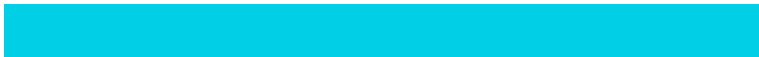
64.5118, 47.7646, 71.4650



62.7816, 47.7646, 30.1554



30.4914, 47.7646, 36.4472



31.5631, 47.7646, 82.4716

Sweetspot

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



64.5129, 47.7667, 71.4659



84.3369, 81.3200, 96.8630



49.0734, 39.1690, 99.5817



17.8227, 17.0099, 20.4655



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.



64.5129, 47.7667, 71.4659



60.4388, 41.1861, 65.2748



58.7714, 45.4700, 41.2312



18.5000, 18.1833, 21.2503



25.1043, 12.5310, 19.7317



2.4965, 1.2410, 2.1962

Inverse Universe

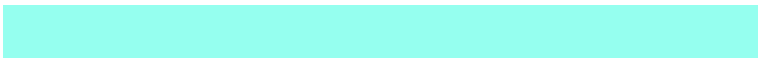
The Inverse Universe completely reimagines the original color for something new.



64.5129, 47.7667, 71.4659



60.4388, 41.1861, 65.2748



63.7505, 84.1481, 94.6218



18.5000, 18.1833, 21.2503



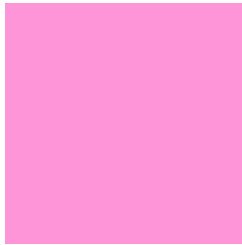
25.1043, 12.5310, 19.7317



2.4965, 1.2410, 2.1962

Previews

White Background



This preview shows how the XYZ color 64.5118, 47.7646, 71.4650 looks on a white background.

Color Contrast Check

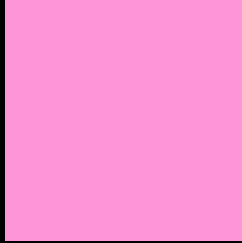
Large Text (above 18pt) WCAG AA × Fail

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 64.5118, 47.7646, 71.4650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

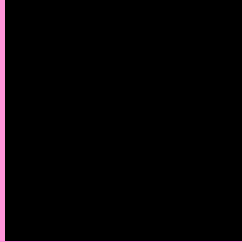
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5118, 47.7646, 71.4650

Background



This preview shows how black text looks on a background with the XYZ color 64.5118, 47.7646, 71.4650.



This preview shows how white text looks on a background with the XYZ color 64.5118, 47.7646,

71.4650.

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

64.5118, 47.7646, 71.4650

Protanopia

48.8183, 48.1822, 89.1652

Deuteranopia

49.1912, 48.2148, 69.0011



Tritanopia

58.9069, 47.6800, 44.1286

Trichromacy



Original Color

64.5118, 47.7646, 71.4650



Protanomaly

52.7596, 46.8550, 82.6071



Deuteranomaly

53.7661, 47.3771, 69.9292



Tritanomaly

60.8359, 47.7260, 53.0193

Monochromacy



Original Color

64.5118, 47.7646, 71.4650



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

52.5962, 48.3927, 60.6014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5118, 47.7646, 71.4650 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, 149, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 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, 149, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 217) }
```

Border

The CSS property to change the border of an element to XYZ 64.5118, 47.7646, 71.4650 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, 149, 217) }
```


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

```
.border{ border-color:rgb(255, 149, 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, 149, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5118, 47.7646, 71.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 217) }
```

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

```
.background{ background-color: rgb(255,  
149, 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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