

Converting Colors

XYZ(117.0674, 77.5671,
66.5026)

Have a look what the booklet for
XYZ(117.0674, 77.5671, 66.5026)
contains.

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Color

**XYZ(64.6576, 50.4641,
64.0903)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9FCD
RGB	255, 159, 205
RGB Percent	100%, 62%, 80%
CMY	0.0000, 0.3764, 0.1961
CMYK	0.00, 0.38, 0.20, 0.00
HSL	331°, 100%, 81%
HSV	331°, 38%, 100%
XYZ	64.6576, 50.4641, 64.0903
YIQ	192.9480, 42.4500, 34.6580

Conversions

Conversions Part 2

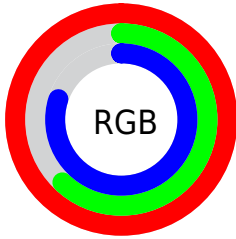
Format	Color
R_{YB}	255, 159, 205
Decimal	16752589
CIE _{Lab}	76.35, 41.67, -8.38
CIE _{LCh}	76, 42.502, 348.624
Yxy	50.4641, 0.3608, 0.2816
Android (android.graphics.Color)	4294942669 (0xFFFF9FCD)
YUV	192.9480, 5.9416, 54.4196
Hunter-Lab	71.0381, 38.1509, -3.7646

Details

The XYZ color **64.6576, 50.4641, 64.0903** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.5687, 83.4953, 73.1964**, and the grayscale version is **50.6080, 53.2436, 57.9823**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **33.7659, 24.4128, 32.2106** is the 20% darker color. If you saturate the color by 10%, you get **59.1804, 41.9674, 54.6875**, and if you desaturate by 10%, it is **71.1779, 60.8286, 74.5135**.

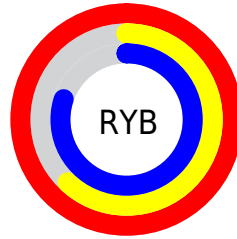
Distribution



Red (100%)

Green (62%)

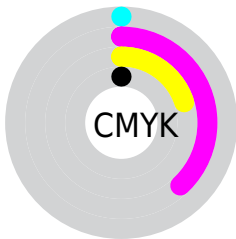
Blue (80%)



Red (100%)

Yellow (62%)

Blue (80%)

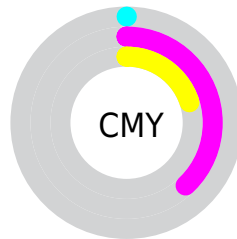


Cyan (0%)

Magenta (38%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6576, 50.4641, 64.0903 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 64.6576, 50.4641, 64.0903 by changing the saturation by 10% instead.

 64.6576, 50.4641,
64.0903


 64.6576, 50.4641,
64.0903


431.1252,
388.4781, 457.7321

 47.4472, 35.7823,
46.2772


 110.6259, 90.8621,
112.3417

 33.5987, 24.2661,
32.1143


 140.1145,
117.3471, 143.6170

 22.7469, 15.5311,
21.1833


174.4265,
148.5354, 180.2168

 14.5264, 9.1930,
13.0655

213.9272,
184.8111, 222.5597

 8.5718, 4.8673,
7.3424

258.9821,
226.5589, 271.0641

 4.5178, 2.1696,
3.5955


309.9565,

 1.9991, 0.7033,


274.1631, 326.1486


1.4062


367.2158,
328.0080, 388.2317


 0.6334, 0.0000,
0.1465


 0.0000, 0.0000,
0.0000


 64.6576, 50.4641,
64.0903


 64.6576, 50.4641,
64.0903


 59.1804, 41.9674,
54.6875


 71.1779, 60.8286,
74.5135

 54.6831, 35.2184,
46.2657

 78.7919, 73.1579,
85.9883

 51.1013, 30.0935,
38.7867

 87.5516, 87.5504,
98.5480

 48.3606, 26.4498,
32.2078

95.0500, 100.0000,
108.9000

■ 46.3737, 24.1188,
26.4811

■ 45.0267, 22.8790,
21.5488

■ 44.7641, 22.6696,
20.4875

Harmonies

Analogous

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



60.4414, 50.4641, 89.4632



64.6576, 50.4641, 64.0903



64.0461, 50.4641, 42.0590

Triad

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



64.6576, 50.4641, 64.0903



43.2236, 50.4641, 22.9089



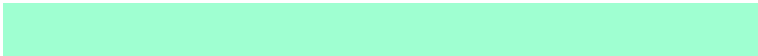
38.5094, 50.4641, 95.0181

Complementary

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



64.6576, 50.4641, 64.0903



61.5687, 83.4953, 73.1964

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.



34.8292, 50.4641, 70.2303



64.6576, 50.4641, 64.0903



37.3351, 50.4641, 30.6930

Square

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



64.6576, 50.4641, 64.0903



51.0592, 50.4641, 22.1147



34.4246, 50.4641, 46.7172



44.9977, 50.4641, 110.3538

Rectangle

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



64.6576, 50.4641, 64.0903



60.9963, 50.4641, 31.8039



34.4246, 50.4641, 46.7172



36.9353, 50.4641, 87.2419

Sweetspot

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



64.6588, 50.4664, 64.0913



84.4816, 82.4853, 94.2107



56.6316, 45.5160, 100.4084



17.8251, 17.2317, 19.7974



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.



64.6588, 50.4664, 64.0913



60.5312, 44.0399, 57.0773



60.1748, 49.1158, 39.1126



18.3719, 18.1321, 20.5754



23.4647, 11.8752, 11.0973



2.3395, 1.1782, 1.3692

Inverse Universe

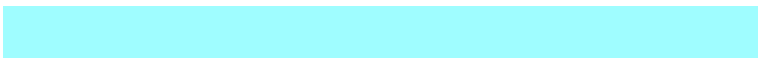
The Inverse Universe completely reimagines the original color for something new.



64.6588, 50.4664, 64.0913



60.5312, 44.0399, 57.0773



67.6011, 85.0951, 107.4698



18.3719, 18.1321, 20.5754



23.4647, 11.8752, 11.0973



2.3395, 1.1782, 1.3692

Previews

White Background



This preview shows how the XYZ color 64.6576, 50.4641, 64.0903 looks on a white background.

Color Contrast Check

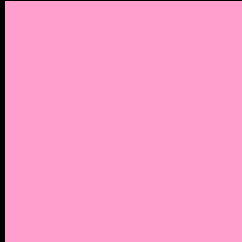
Large Text (above 18pt) WCAG AA × Fail

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 64.6576, 50.4641, 64.0903 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 64.6576, 50.4641, 64.0903

Background



This preview shows how black text looks on a background with the XYZ color 64.6576, 50.4641, 64.0903.



This preview shows how white text looks on a background with the XYZ color 64.6576, 50.4641,

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

64.6576, 50.4641, 64.0903

Protanopia

50.3810, 50.8134, 76.9646

Deuteranopia

51.8332, 50.6406, 62.3010



Tritanopia

61.3562, 50.4207, 48.0933

Trichromacy



Original Color

64.6576, 50.4641, 64.0903



Protanomaly

54.4113, 49.9575, 71.7407



Deuteranomaly

55.6155, 49.9085, 62.5792



Tritanomaly

62.3980, 50.3112, 53.4360

Monochromacy



Original Color

64.6576, 50.4641, 64.0903



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.9208, 51.6779, 59.9035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6576, 50.4641, 64.0903 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, 159, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 205)  
}
```

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, 159, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 205) }
```

Border

The CSS property to change the border of an element to XYZ 64.6576, 50.4641, 64.0903 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, 159, 205) }
```


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

```
.border{ border-color:rgb(255, 159, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6576, 50.4641, 64.0903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 205) }
```

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

```
.background{ background-color: rgb(255,  
159, 205) }
```

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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