

Converting Colors

XYZ(71.7912, 53.5667, 66.0761)

Have a look what the booklet for
XYZ(71.7912, 53.5667, 66.0761)
contains.

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Color

**XYZ(64.6821, 49.9280,
65.9025)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DD0
RGB	255, 157, 208
RGB Percent	100%, 62%, 82%
CMY	0.0000, 0.3843, 0.1843
CMYK	0.00, 0.38, 0.18, 0.00
HSL	329°, 100%, 81%
HSV	329°, 38%, 100%
XYZ	64.6821, 49.9280, 65.9025
YIQ	192.1160, 42.0370, 36.6370

Conversions

Conversions Part 2

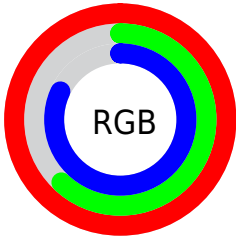
Format	Color
R _Y B	255, 157, 208
Decimal	16752080
CIE Lab	76.03, 43.14, -10.51
CIE LCh	76, 44.400, 346.302
Yxy	49.9280, 0.3583, 0.2766
Android (android.graphics.Color)	4294942160 (0xFFFF9DD0)
YUV	192.1160, 7.8308, 55.1493
Hunter-Lab	70.6597, 39.7448, -5.8364

Details

The XYZ color **64.6821, 49.9280, 65.9025** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.5656, 83.0486, 69.9680**, and the grayscale version is **50.1104, 52.7201, 57.4121**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **33.8090, 24.1040, 33.4425** is the 20% darker color. If you saturate the color by 10%, you get **59.3622, 41.6041, 56.9896**, and if you desaturate by 10%, it is **71.0208, 60.1033, 75.7287**.

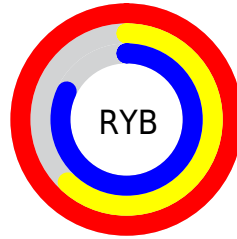
Distribution



Red (100%)

Green (62%)

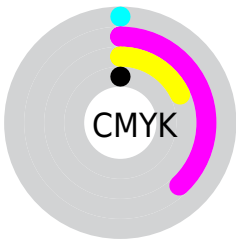
Blue (82%)



Red (100%)

Yellow (62%)

Blue (82%)

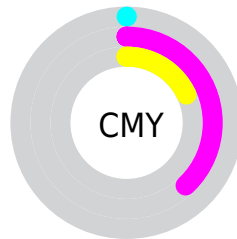


Cyan (0%)

Magenta (38%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6821, 49.9280, 65.9025 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 64.6821, 49.9280, 65.9025 by changing the saturation by 10% instead.

64.6821, 49.9280,
65.9025

64.6821, 49.9280,
65.9025

431.2120,
386.3843, 464.4228

47.4671, 35.3562,
47.7373

110.6609, 90.0682,
114.9721

33.6146, 23.9374,
33.2604

140.1555,
116.4054, 146.7135

22.7591, 15.2872,
22.0532

174.4739,
147.4331, 183.8173

14.5355, 9.0212,
13.6973

213.9816,
183.5358, 226.7022

8.5782, 4.7550,
7.7741

259.0439,
225.0979, 275.7867

4.5220, 2.1042,
3.8651

310.0262,

2.0015, 0.6670,

272.5038, 331.4892

1.5516

367.2937,
326.1378, 394.2284

■ 0.6348, 0.0000,
0.2559

■ 0.0000, 0.0000,
0.0000

■ 64.6821, 49.9280,
65.9025

■ 64.6821, 49.9280,
65.9025

■ 59.3622, 41.6041,
56.9896

■ 71.0208, 60.1033,
75.7287

■ 54.9984, 35.0109,
48.9545

■ 78.4286, 72.2273,
86.4956

■ 51.5262, 30.0239,
41.7630

■ 86.9568, 86.3987,
98.2329

■ 48.8715, 26.4990,
35.3765

95.0500, 100.0000,
108.9000

■ 46.9466, 24.2656,
29.7516

■ 45.6300, 23.0856,
24.8327

■ 45.4528, 22.9451,
24.1146

Harmonies

Analogous

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



59.9338, 49.9280, 92.3810



64.6821, 49.9280, 65.9025



64.4520, 49.9280, 42.5324

Triad

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



64.6821, 49.9280, 65.9025



43.1211, 49.9280, 21.2714



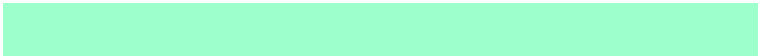
37.2753, 49.9280, 94.4850

Complementary

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



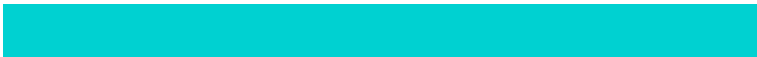
64.6821, 49.9280, 65.9025



60.5656, 83.0486, 69.9680

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.



33.7445, 49.9280, 68.2063



64.6821, 49.9280, 65.9025



36.8411, 49.9280, 28.5363

Square

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



64.6821, 49.9280, 65.9025



51.3296, 49.9280, 20.9855



33.5954, 49.9280, 44.2561



43.7806, 49.9280, 111.8508

Rectangle

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



64.6821, 49.9280, 65.9025



61.4910, 49.9280, 31.5727



33.5954, 49.9280, 44.2561



35.7361, 49.9280, 86.1064

Sweetspot

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



64.6834, 49.9302, 65.9035



83.7796, 81.0971, 93.9282



54.6650, 43.9957, 100.2186



17.6914, 16.9574, 19.7742



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.



64.6834, 49.9302, 65.9035



60.5643, 43.4625, 59.0726



59.6671, 47.9237, 39.4884



18.4042, 18.1450, 20.7455



23.8261, 12.0197, 13.0004



2.3751, 1.1924, 1.5567

Inverse Universe

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



64.6834, 49.9302, 65.9035



60.5643, 43.4625, 59.0726



67.1944, 85.7001, 104.8745



18.4042, 18.1450, 20.7455



23.8261, 12.0197, 13.0004



2.3751, 1.1924, 1.5567

Previews

White Background



This preview shows how the XYZ color 64.6821, 49.9280, 65.9025 looks on a white background.

Color Contrast Check

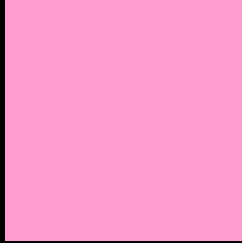
Large Text (above 18pt) WCAG AA × Fail

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 64.6821, 49.9280, 65.9025 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 64.6821, 49.9280, 65.9025

Background



This preview shows how black text looks on a background with the XYZ color 64.6821, 49.9280, 65.9025.



This preview shows how white text looks on a background with the XYZ color 64.6821, 49.9280,

65.9025.

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

64.6821, 49.9280, 65.9025

Protanopia

50.0144, 50.2476, 79.7358

Deuteranopia

51.2662, 50.3209, 63.5108



Tritanopia

60.6187, 49.7988, 46.9746

Trichromacy



Original Color

64.6821, 49.9280, 65.9025



Protanomaly

53.9804, 49.0926, 74.3409



Deuteranomaly

55.3689, 49.7400, 64.4401



Tritanomaly

61.8594, 49.7730, 53.3605

Monochromacy



Original Color

64.6821, 49.9280, 65.9025



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.3375, 50.7645, 60.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6821, 49.9280, 65.9025 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, 157, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 208)  
}
```

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, 157, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 208) }
```

Border

The CSS property to change the border of an element to XYZ 64.6821, 49.9280, 65.9025 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, 157, 208) }
```


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

```
.border{ border-color:rgb(255, 157, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 157, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6821, 49.9280, 65.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 208) }
```

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

```
.background{ background-color: rgb(255,  
157, 208) }
```

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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