

Converting Colors

XYZ(102.1607, 69.3167,
68.0958)

Have a look what the booklet for
XYZ(102.1607, 69.3167, 68.0958)
contains.

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Color

**XYZ(64.8056, 49.9774,
66.5526)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DD1
RGB	255, 157, 209
RGB Percent	100%, 62%, 82%
CMY	0.0000, 0.3843, 0.1804
CMYK	0.00, 0.38, 0.18, 0.00
HSL	328°, 100%, 81%
HSV	328°, 38%, 100%
XYZ	64.8056, 49.9774, 66.5526
YIQ	192.2300, 41.7160, 36.9480

Conversions

Conversions Part 2

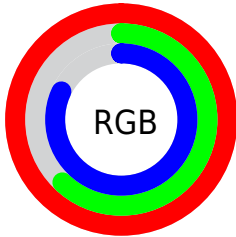
Format	Color
RYB	255, 157, 209
Decimal	16752081
CIELab	76.06, 43.29, -11.02
CIELCh	76, 44.666, 345.721
Yxy	49.9774, 0.3574, 0.2756
Android (android.graphics.Color)	4294942161 (0xFFFF9DD1)
YUV	192.2300, 8.2676, 55.0493
Hunter-Lab	70.6947, 39.9147, -6.3298

Details

The XYZ color **64.8056, 49.9774, 66.5526** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.4460, 83.0008, 69.3382**, and the grayscale version is **50.1746, 52.7876, 57.4857**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **33.8927, 24.1375, 33.8830** is the 20% darker color. If you saturate the color by 10%, you get **59.5061, 41.6616, 57.7472**, and if you desaturate by 10%, it is **71.1191, 60.1426, 76.2466**.

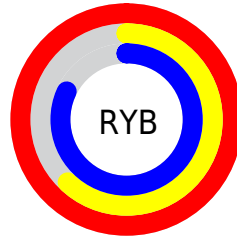
Distribution



Red (100%)

Green (62%)

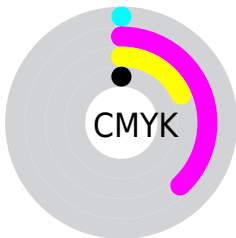
Blue (82%)



Red (100%)

Yellow (62%)

Blue (82%)

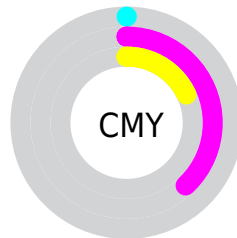


Cyan (0%)

Magenta (38%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8056, 49.9774, 66.5526 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 64.8056, 49.9774, 66.5526 by changing the saturation by 10% instead.


 64.8056, 49.9774,
66.5526


 64.8056, 49.9774,
66.5526


431.6493,
386.5776, 466.8086

 47.5676, 35.3954,
48.2618


 110.8376, 90.1414,
115.9137

 33.6944, 23.9676,
33.6728


 140.3623,
116.4922, 147.8210

 22.8207, 15.3096,
22.3670


174.7132,
147.5348, 185.1043

 14.5811, 9.0370,
13.9259

214.2558,
183.6535, 228.1820

 8.6103, 4.7653,
7.9310

259.3553,
225.2327, 277.4728

 4.5430, 2.1102,
3.9637

310.3772,

 2.0137, 0.6704,

272.6569, 333.3951

1.6054

367.6867,
326.3104, 396.3676

■ 0.6416, 0.0000,
0.2947

■ 0.0000, 0.0000,
0.0000

■ 64.8056, 49.9774,
66.5526

■ 64.8056, 49.9774,
66.5526

■ 59.5061, 41.6616,
57.7472

■ 71.1191, 60.1426,
76.2466

■ 55.1581, 35.0748,
49.7958

■ 78.4970, 72.2547,
86.8558

■ 51.6975, 30.0924,
42.6651

■ 86.9903, 86.4121,
98.4091

■ 49.0502, 26.5705,
36.3177

95.0500, 100.0000,
108.9000

■ 47.1288, 24.3385,
30.7111

■ 45.8119, 23.1583,
25.7907

■ 45.6344, 23.0178,
25.0706

Harmonies

Analogous

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



59.9375, 49.9774, 93.2056



64.8056, 49.9774, 66.5526



64.6771, 49.9774, 42.8937

Triad

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



64.8056, 49.9774, 66.5526



43.2867, 49.9774, 21.0916



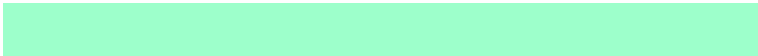
37.1597, 49.9774, 94.3813

Complementary

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



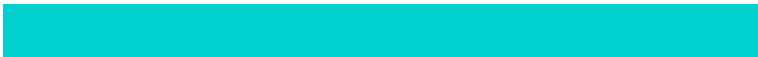
64.8056, 49.9774, 66.5526



60.4460, 83.0008, 69.3382

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.



33.6733, 49.9774, 67.8386



64.8056, 49.9774, 66.5526



36.9178, 49.9774, 28.2316

Square

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



64.8056, 49.9774, 66.5526



51.5694, 49.9774, 20.9329



33.5903, 49.9774, 43.8541



43.6544, 49.9774, 112.1857

Rectangle

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



64.8056, 49.9774, 66.5526



61.7521, 49.9774, 31.7598



33.5903, 49.9774, 43.8541



35.6324, 49.9774, 85.8882

Sweetspot

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



64.8068, 49.9796, 66.5536



83.8262, 81.1157, 94.1732



54.6650, 43.9957, 100.2186



17.7023, 16.9618, 19.8319



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.



64.8068, 49.9796, 66.5536



60.7036, 43.5182, 59.8063



59.6671, 47.9237, 39.4884



18.4122, 18.1482, 20.7877



23.9211, 12.0577, 13.5011



2.3843, 1.1961, 1.6054

Inverse Universe

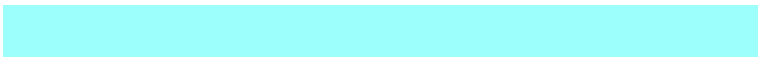
The Inverse Universe completely reimagines the original color for something new.



64.8068, 49.9796, 66.5536



60.7036, 43.5182, 59.8063



67.1944, 85.7001, 104.8745



18.4122, 18.1482, 20.7877



23.9211, 12.0577, 13.5011



2.3843, 1.1961, 1.6054

Previews

White Background



This preview shows how the XYZ color 64.8056, 49.9774, 66.5526 looks on a white background.

Color Contrast Check

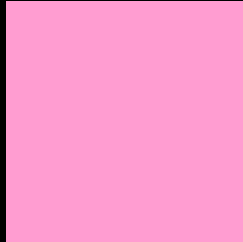
Large Text (above 18pt) WCAG AA × Fail

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 64.8056, 49.9774, 66.5526 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 64.8056, 49.9774, 66.5526

Background



This preview shows how black text looks on a background with the XYZ color 64.8056, 49.9774, 66.5526.



This preview shows how white text looks on a background with the XYZ color 64.8056, 49.9774,

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

64.8056, 49.9774, 66.5526

Protanopia

50.1529, 50.3030, 80.4649

Deuteranopia

51.3858, 50.3687, 64.1406



Tritanopia

60.7173, 49.8382, 47.4939

Trichromacy



Original Color

64.8056, 49.9774, 66.5526



Protanomaly

54.1132, 49.1458, 75.0406



Deuteranomaly

55.4900, 49.7884, 65.0780



Tritanomaly

61.9669, 49.8160, 53.9264

Monochromacy



Original Color

64.8056, 49.9774, 66.5526



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 64.8056, 49.9774, 66.5526 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 209) }
```

Border

The CSS property to change the border of an element to XYZ 64.8056, 49.9774, 66.5526 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, 209) }
```


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

```
.border{ border-color:rgb(255, 157, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8056, 49.9774, 66.5526 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
157, 209) }
```

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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