

Converting Colors

XYZ(161.8660, 100.0000,
69.9690)

Have a look what the booklet for
XYZ(161.8660, 100.0000, 69.9690)
contains.

XYZ(64.5595, 49.8789, 65.2564)	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(64.5595, 49.8789,
65.2564)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DCF
RGB	255, 157, 207
RGB Percent	100%, 62%, 81%
CMY	0.0000, 0.3843, 0.1882
CMYK	0.00, 0.38, 0.19, 0.00
HSL	329°, 100%, 81%
HSV	329°, 38%, 100%
XYZ	64.5595, 49.8789, 65.2564
YIQ	192.0020, 42.3580, 36.3260

Conversions

Conversions Part 2

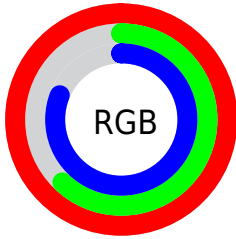
Format	Color
R _Y B	255, 157, 207
Decimal	16752079
CIE Lab	75.99, 42.99, -10.01
CIE LCh	76, 44.139, 346.890
Yxy	49.8789, 0.3593, 0.2776
Android (android.graphics.Color)	4294942159 (0xFFFF9DCF)
YUV	192.0020, 7.3940, 55.2492
Hunter-Lab	70.6250, 39.5761, -5.3455

Details

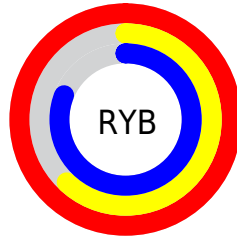
The XYZ color **64.5595, 49.8789, 65.2564** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.6859, 83.0967, 70.6017**, and the grayscale version is **50.0461, 52.6524, 57.3385**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **33.7260, 24.0709, 33.0056** is the 20% darker color. If you saturate the color by 10%, you get **59.2195, 41.5469, 56.2383**, and if you desaturate by 10%, it is **70.9228, 60.0640, 75.2129**.

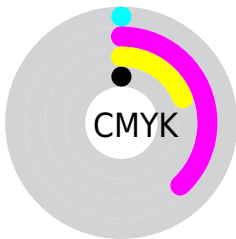
Distribution



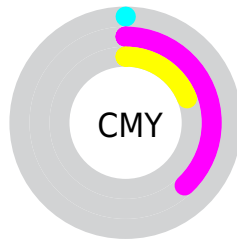
- Red (100%)
- Green (62%)
- Blue (81%)



- Red (100%)
- Yellow (62%)
- Blue (81%)



- Cyan (0%)
- Magenta (38%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5595, 49.8789, 65.2564 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 64.5595, 49.8789, 65.2564 by changing the saturation by 10% instead.


 64.5595, 49.8789,
65.2564

 64.5595, 49.8789,
65.2564


430.7776,
386.1922, 462.0442

 47.3674, 35.3172,
47.2164

 110.4856, 89.9954,
114.0352

 33.5353, 23.9073,
32.8512


 139.9502,
116.3190, 145.6110

 22.6980, 15.2649,
21.7423

174.2363,
147.3320, 182.5359

 14.4902, 9.0055,
13.4711

213.7094,
183.4189, 225.2283

 8.5463, 4.7448,
7.6192

258.7347,
224.9639, 274.1068

 4.5012, 2.0983,
3.7680

309.6776,

 1.9894, 0.6637,

272.3515, 329.5899

1.4990

366.9034,
325.9662, 392.0962

■ 0.6280, 0.0000,
0.2172

■ 0.0000, 0.0000,
0.0000

■ 64.5595, 49.8789,
65.2564

■ 64.5595, 49.8789,
65.2564

■ 59.2195, 41.5469,
56.2383

■ 70.9228, 60.0640,
75.2129

■ 54.8403, 34.9476,
48.1221

■ 78.3603, 72.1999,
86.1362

■ 51.3572, 29.9562,
40.8728

■ 86.9233, 86.3852,
98.0568

■ 48.6957, 26.4286,
34.4507

95.0500, 100.0000,
108.9000

■ 46.7680, 24.1942,
28.8112

■ 45.4524, 23.0145,
23.8976

■ 45.2758, 22.8743,
23.1820

Harmonies

Analogous

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



59.9310, 49.8789, 91.5618



64.5595, 49.8789, 65.2564



64.2279, 49.8789, 42.1727

Triad

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



64.5595, 49.8789, 65.2564



42.9558, 49.8789, 21.4519



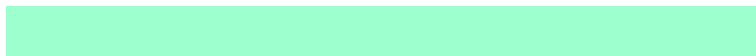
37.3913, 49.8789, 94.5907

Complementary

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



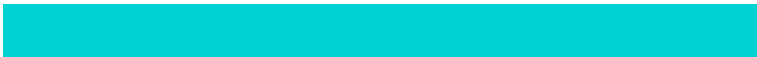
64.5595, 49.8789, 65.2564



60.6859, 83.0967, 70.6017

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.



33.8159, 49.8789, 68.5768



64.5595, 49.8789, 65.2564



36.7643, 49.8789, 28.8432

Square

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



64.5595, 49.8789, 65.2564



51.0907, 49.8789, 21.0378



33.6006, 49.8789, 44.6611



43.9074, 49.8789, 111.5185

Rectangle

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



64.5595, 49.8789, 65.2564



61.2311, 49.8789, 31.3858



33.6006, 49.8789, 44.6611



35.8403, 49.8789, 86.3269

Sweetspot

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



64.5606, 49.8811, 65.2574



83.7332, 81.0785, 93.6836



55.1114, 44.2257, 100.2395



17.6805, 16.9531, 19.7167



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.



64.5606, 49.8811, 65.2574



60.4261, 43.4072, 58.3446



59.5248, 47.8667, 38.7390



18.3962, 18.1418, 20.7033



23.7333, 11.9826, 12.5117



2.3660, 1.1888, 1.5089

Inverse Universe

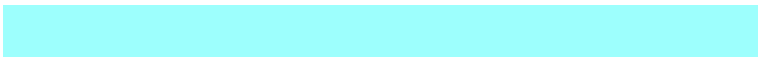
The Inverse Universe completely reimagines the original color for something new.



64.5606, 49.8811, 65.2574



60.4261, 43.4072, 58.3446



67.4540, 85.8040, 106.2418



18.3962, 18.1418, 20.7033



23.7333, 11.9826, 12.5117



2.3660, 1.1888, 1.5089

Previews

White Background



This preview shows how the XYZ color 64.5595, 49.8789, 65.2564 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 64.5595, 49.8789, 65.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

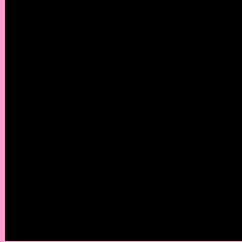
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5595, 49.8789, 65.2564

Background



This preview shows how black text looks on a background with the XYZ color 64.5595, 49.8789, 65.2564.



This preview shows how white text looks on a background with the XYZ color 64.5595, 49.8789,

65.2564.

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

64.5595, 49.8789, 65.2564

Protanopia

49.8768, 50.1925, 79.0108

Deuteranopia

50.9418, 49.8623, 62.8166



Tritanopia

60.9799, 49.9850, 46.9915

Trichromacy



Original Color

64.5595, 49.8789, 65.2564



Protanomaly

53.8483, 49.0398, 73.6454



Deuteranomaly

55.0561, 49.3068, 63.7421



Tritanomaly

62.2225, 49.9602, 53.3775

Monochromacy



Original Color

64.5595, 49.8789, 65.2564



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.2225, 50.7185, 59.7551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5595, 49.8789, 65.2564 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 207) }
```

Border

The CSS property to change the border of an element to XYZ 64.5595, 49.8789, 65.2564 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, 207) }
```


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

```
.border{ border-color:rgb(255, 157, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5595, 49.8789, 65.2564 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
157, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor