

Converting Colors

XYZ(147.1211, 91.9998,
70.7293)

Have a look what the booklet for
XYZ(147.1211, 91.9998, 70.7293)
contains.

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Color

**XYZ(64.5942, 49.3558,
67.0949)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9BD2
RGB	255, 155, 210
RGB Percent	100%, 61%, 82%
CMY	0.0000, 0.3921, 0.1765
CMYK	0.00, 0.39, 0.18, 0.00
HSL	327°, 100%, 80%
HSV	327°, 39%, 100%
XYZ	64.5942, 49.3558, 67.0949
YIQ	191.1700, 41.9450, 38.3050

Conversions

Conversions Part 2

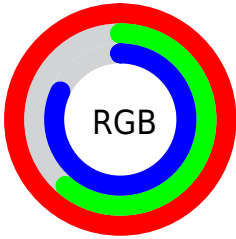
Format	Color
R _Y B	255, 155, 210
Decimal	16751570
CIE Lab	75.67, 44.46, -12.14
CIE LCh	76, 46.086, 344.731
Yxy	49.3558, 0.3568, 0.2726
Android (android.graphics.Color)	4294941650 (0xFFFF9BD2)
YUV	191.1700, 9.2832, 55.9789
Hunter-Lab	70.2537, 41.1765, -7.4466

Details

The XYZ color **64.5942, 49.3558, 67.0949** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.7047, 82.6596, 67.4550**, and the grayscale version is **49.5518, 52.1324, 56.7722**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **33.6804, 23.5780, 34.2283** is the 20% darker color. If you saturate the color by 10%, you get **59.4109, 41.1957, 58.5647**, and if you desaturate by 10%, it is **70.7784, 59.3532, 76.4658**.

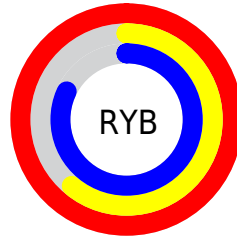
Distribution



Red (100%)

Green (61%)

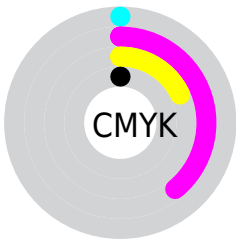
Blue (82%)



Red (100%)

Yellow (61%)

Blue (82%)

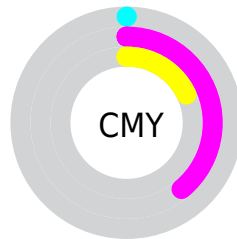


Cyan (0%)

Magenta (39%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5942, 49.3558, 67.0949 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 64.5942, 49.3558, 67.0949 by changing the saturation by 10% instead.


 64.5942, 49.3558,
67.0949

 64.5942, 49.3558,
67.0949


430.9006,
384.1413, 468.7932

 47.3956, 34.9018,
48.6997

 110.5352, 89.2197,
116.6983

 33.5577, 23.5872,
34.0174


 140.0083,
115.3983, 148.7436

 22.7153, 15.0277,
22.6295


174.3036,
146.2540, 186.1760

 14.5030, 8.8388,
14.1174

213.7864,
182.1711, 229.4140

 8.5554, 4.6362,
8.0627

258.8222,
223.5340, 278.8762

 4.5071, 2.0354,
4.0468

309.7763,

 1.9928, 0.6279,

270.7270, 334.9811

1.6510

367.0139,
324.1347, 398.1472

■ 0.6299, 0.0000,
0.3268

■ 0.0000, 0.0000,
0.0000

■ 64.5942, 49.3558,
67.0949

■ 64.5942, 49.3558,
67.0949

■ 59.4109, 41.1957,
58.5647

■ 70.7784, 59.3532,
76.4658

■ 55.1659, 34.7519,
50.8420

■ 78.0139, 71.2861,
86.7026

■ 51.7949, 29.8988,
43.8951

■ 86.3519, 85.2533,
97.8329

■ 49.2232, 26.4907,
37.6877

95.0500, 100.0000,
108.9000

■ 47.3624, 24.3548,
32.1789

■ 46.0805, 23.2311,
27.3124

■ 45.9917, 23.1607,
26.9523

Harmonies

Analogous

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



59.4371, 49.3558, 94.5312



64.5942, 49.3558, 67.0949



64.6436, 49.3558, 42.6512

Triad

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



64.5942, 49.3558, 67.0949



42.8600, 49.3558, 19.8921



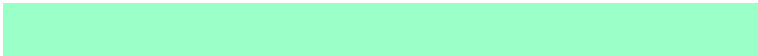
36.1899, 49.3558, 94.0768

Complementary

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



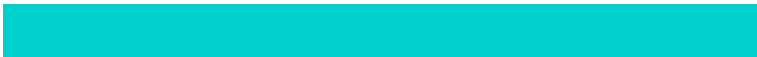
64.5942, 49.3558, 67.0949



59.7047, 82.6596, 67.4550

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.



32.7600, 49.3558, 66.6014



64.5942, 49.3558, 67.0949



36.2817, 49.3558, 26.7844

Square

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



64.5942, 49.3558, 67.0949



51.3680, 49.3558, 19.9511



32.7914, 49.3558, 42.2865



42.7199, 49.3558, 113.0411

Rectangle

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



64.5942, 49.3558, 67.0949



61.7352, 49.3558, 31.1610



32.7914, 49.3558, 42.2865



34.6733, 49.3558, 85.2171

Sweetspot

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



64.5954, 49.3580, 67.0959



83.9148, 81.1512, 94.6398



53.5927, 42.9446, 100.0722



17.7232, 16.9702, 19.9417



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.



64.5954, 49.3580, 67.0959



60.4752, 42.8500, 60.3821



59.3081, 47.2431, 39.2534



18.4275, 18.1543, 20.8681



24.1081, 12.1325, 14.4854



2.4024, 1.2033, 1.7005

Inverse Universe

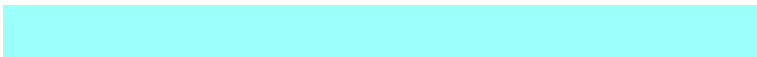
The Inverse Universe completely reimagines the original color for something new.



64.5954, 49.3580, 67.0959



60.4752, 42.8500, 60.3821



66.5341, 85.3913, 103.4182



18.4275, 18.1543, 20.8681



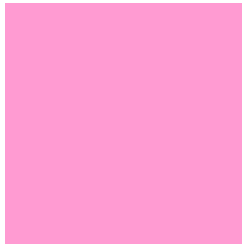
24.1081, 12.1325, 14.4854



2.4024, 1.2033, 1.7005

Previews

White Background



This preview shows how the XYZ color 64.5942, 49.3558, 67.0949 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 64.5942, 49.3558, 67.0949 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 64.5942, 49.3558, 67.0949

Background



This preview shows how black text looks on a background with the XYZ color 64.5942, 49.3558, 67.0949.



This preview shows how white text looks on a background with the XYZ color 64.5942, 49.3558,

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

64.5942, 49.3558, 67.0949

Protanopia

49.7634, 49.7582, 81.8444

Deuteranopia

50.7734, 49.7340, 64.6812



Tritanopia

60.3440, 49.4059, 46.4002

Trichromacy



Original Color

64.5942, 49.3558, 67.0949



Protanomaly

53.6322, 48.5790, 76.3620



Deuteranomaly

54.9285, 48.9155, 65.5781



Tritanomaly

61.5127, 49.0796, 53.2449

Monochromacy



Original Color

64.5942, 49.3558, 67.0949



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.8450, 50.2141, 60.2804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5942, 49.3558, 67.0949 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, 155, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 210)  
}
```

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, 155, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 210) }
```

Border

The CSS property to change the border of an element to XYZ 64.5942, 49.3558, 67.0949 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, 155, 210) }
```


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

```
.border{ border-color:rgb(255, 155, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5942, 49.3558, 67.0949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 210) }
```

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

```
.background{ background-color: rgb(255,  
155, 210) }
```

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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