

Converting Colors

XYZ(148.5372, 92.8465,
71.4228)

Have a look what the booklet for
XYZ(148.5372, 92.8465, 71.4228)
contains.

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Color

**XYZ(64.8863, 49.7401,
67.8089)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9CD3
RGB	255, 156, 211
RGB Percent	100%, 61%, 83%
CMY	0.0000, 0.3882, 0.1725
CMYK	0.00, 0.39, 0.17, 0.00
HSL	327°, 100%, 81%
HSV	327°, 39%, 100%
XYZ	64.8863, 49.7401, 67.8089
YIQ	191.8710, 41.3490, 38.0930

Conversions

Conversions Part 2

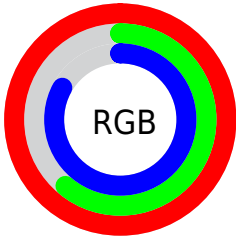
Format	Color
R _Y B	255, 156, 211
Decimal	16751827
CIE Lab	75.91, 44.10, -12.33
CIE LCh	76, 45.789, 344.379
Yxy	49.7401, 0.3557, 0.2726
Android (android.graphics.Color)	4294941907 (0xFFFF9CD3)
YUV	191.8710, 9.4306, 55.3641
Hunter-Lab	70.5267, 40.8028, -7.6366

Details

The XYZ color **64.8863, 49.7401, 67.8089** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.8975, 82.7590, 67.4642**, and the grayscale version is **49.9588, 52.5606, 57.2384**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **33.7781, 23.7734, 34.2609** is the 20% darker color. If you saturate the color by 10%, you get **59.6766, 41.5149, 59.3077**, and if you desaturate by 10%, it is **71.0968, 59.8060, 77.1392**.

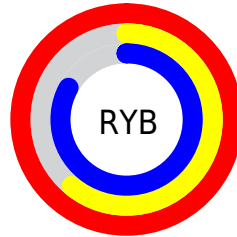
Distribution



Red (100%)

Green (61%)

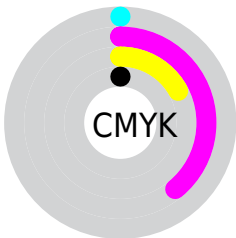
Blue (83%)



Red (100%)

Yellow (61%)

Blue (83%)

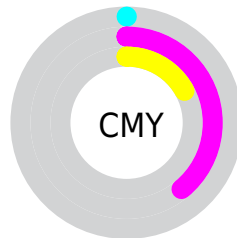


Cyan (0%)

Magenta (39%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8863, 49.7401, 67.8089 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 64.8863, 49.7401, 67.8089 by changing the saturation by 10% instead.


 64.8863, 49.7401,
67.8089


 64.8863, 49.7401,
67.8089


431.9349,
385.6487, 471.3983

 47.6332, 35.2069,
49.2766


 110.9530, 89.7897,
117.7303

 33.7466, 23.8223,
34.4718


 140.4973,
116.0749, 149.9565

 22.8610, 15.2019,
22.9760


174.8695,
147.0462, 187.5844

 14.6110, 8.9612,
14.3706

214.4348,
183.0881, 231.0326

 8.6314, 4.7159,
8.2372

259.5587,
224.5849, 280.7195

 4.5567, 2.0815,
4.1572

310.6064,

 2.0216, 0.6542,

271.9210, 337.0637

1.7120

367.9434,
325.4808, 400.4838

■ 0.6461, 0.0000,
0.3689

■ 0.0000, 0.0000,
0.0000

■ 64.8863, 49.7401,
67.8089

■ 64.8863, 49.7401,
67.8089

■ 59.6766, 41.5149,
59.3077

■ 71.0968, 59.8060,
77.1392

■ 55.4053, 35.0097,
51.6029

■ 78.3581, 71.8103,
87.3234

■ 52.0084, 30.0996,
44.6633

■ 86.7212, 85.8515,
98.3885

■ 49.4118, 26.6399,
38.4535

95.0500, 100.0000,
108.9000

■ 47.5278, 24.4589,
32.9329

■ 46.2304, 23.3084,
28.0481

■ 46.0971, 23.2028,
27.5072

Harmonies

Analogous

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



59.6935, 49.7401, 95.1198



64.8863, 49.7401, 67.8089



64.9999, 49.7401, 43.3160

Triad

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



64.8863, 49.7401, 67.8089



43.3212, 49.7401, 20.2230



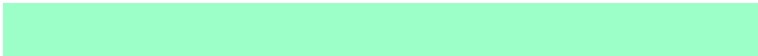
36.5014, 49.7401, 94.0770

Complementary

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



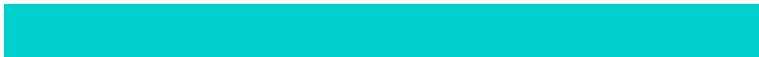
64.8863, 49.7401, 67.8089



59.8975, 82.7590, 67.4642

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.



33.1088, 49.7401, 66.6743



64.8863, 49.7401, 67.8089



36.7131, 49.7401, 27.0566

Square

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



64.8863, 49.7401, 67.8089



51.8293, 49.7401, 20.3598



33.1813, 49.7401, 42.4752



42.9984, 49.7401, 113.1213

Rectangle

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



64.8863, 49.7401, 67.8089



62.1373, 49.7401, 31.7387



33.1813, 49.7401, 42.4752



34.9968, 49.7401, 85.2292

Sweetspot

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



64.8875, 49.7423, 67.8099



83.9402, 81.1613, 94.7738



53.4672, 43.1281, 100.1143



17.7292, 16.9726, 19.9732



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.



64.8875, 49.7423, 67.8099



60.5537, 42.8814, 60.7956



59.7052, 47.6694, 40.5199



18.4318, 18.1560, 20.8912



24.1631, 12.1545, 14.7754



2.4077, 1.2055, 1.7284

Inverse Universe

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



64.8875, 49.7423, 67.8099



60.5537, 42.8814, 60.7956



66.4771, 85.3908, 102.1114



18.4318, 18.1560, 20.8912



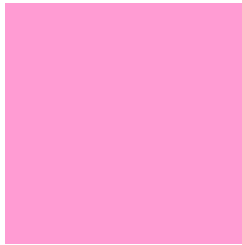
24.1631, 12.1545, 14.7754



2.4077, 1.2055, 1.7284

Previews

White Background



This preview shows how the XYZ color 64.8863, 49.7401, 67.8089 looks on a white background.

Color Contrast Check

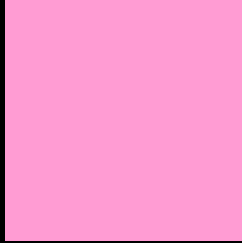
Large Text (above 18pt) WCAG AA × Fail

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 64.8863, 49.7401, 67.8089 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 64.8863, 49.7401, 67.8089

Background



This preview shows how black text looks on a background with the XYZ color 64.8863, 49.7401, 67.8089.



This preview shows how white text looks on a background with the XYZ color 64.8863, 49.7401,

67.8089.

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

64.8863, 49.7401, 67.8089

Protanopia

50.1142, 50.2344, 82.6562

Deuteranopia

50.8945, 49.7824, 65.3191



Tritanopia

60.6187, 49.7988, 46.9746

Trichromacy



Original Color

64.8863, 49.7401, 67.8089



Protanomaly

53.9614, 49.0209, 77.1389



Deuteranomaly

55.2422, 49.3466, 66.2878



Tritanomaly

61.7928, 49.4679, 53.8684

Monochromacy



Original Color

64.8863, 49.7401, 67.8089



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.4532, 50.8108, 60.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8863, 49.7401, 67.8089 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, 156, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 211)  
}
```

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, 156, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 211) }
```

Border

The CSS property to change the border of an element to XYZ 64.8863, 49.7401, 67.8089 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, 156, 211) }
```


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

```
.border{ border-color:rgb(255, 156, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8863, 49.7401, 67.8089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 211) }
```

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

```
.background{ background-color: rgb(255,  
156, 211) }
```

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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