

Converting Colors

XYZ(149.8136, 92.7888,
71.1388)

Have a look what the booklet for
XYZ(149.8136, 92.7888, 71.1388)
contains.

XYZ(64.2641, 48.6956, 66.9849)	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(64.2641, 48.6956,
66.9849)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99D2
RGB	255, 153, 210
RGB Percent	100%, 60%, 82%
CMY	0.0000, 0.4000, 0.1765
CMYK	0.00, 0.40, 0.18, 0.00
HSL	326°, 100%, 80%
HSV	326°, 40%, 100%
XYZ	64.2641, 48.6956, 66.9849
YIQ	189.9960, 42.4950, 39.3510

Conversions

Conversions Part 2

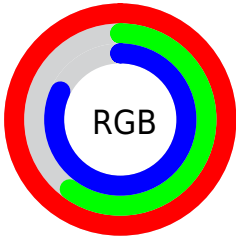
Format	Color
R _Y B	255, 153, 210
Decimal	16751058
CIE Lab	75.26, 45.48, -12.75
CIE LCh	75, 47.232, 344.337
Yxy	48.6956, 0.3571, 0.2706
Android (android.graphics.Color)	4294941138 (0xFFFF99D2)
YUV	189.9960, 9.8620, 57.0085
Hunter-Lab	69.7822, 42.2659, -8.0657

Details

The XYZ color **64.2641, 48.6956, 66.9849** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.0917, 82.3704, 66.2140**, and the grayscale version is **48.8703, 51.4154, 55.9914**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **33.1432, 23.0260, 33.7080** is the 20% darker color. If you saturate the color by 10%, you get **59.1748, 40.6818, 58.6146**, and if you desaturate by 10%, it is **70.3460, 58.5365, 76.1734**.

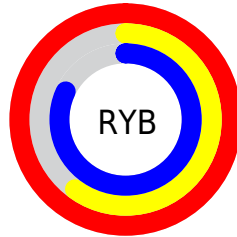
Distribution



Red (100%)

Green (60%)

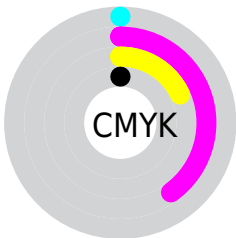
Blue (82%)



Red (100%)

Yellow (60%)

Blue (82%)

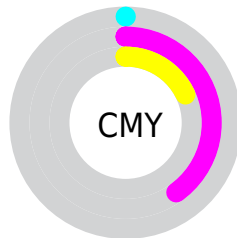


Cyan (0%)

Magenta (40%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2641, 48.6956, 66.9849 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 64.2641, 48.6956, 66.9849 by changing the saturation by 10% instead.


 64.2641, 48.6956,
66.9849


 64.2641, 48.6956,
66.9849


429.7299,
381.5427, 468.3911

 47.1271, 34.3781,
48.6108

 110.0628, 88.2392,
116.5392

 33.3445, 23.1842,
33.9474


 139.4552,
114.2340, 148.5566

 22.5510, 14.7296,
22.5762

173.6635,
144.8901, 185.9587

 14.3812, 8.6298,
14.0785

213.0529,
180.5918, 229.1643

 8.4697, 4.5005,
8.0359

257.9889,
221.7235, 278.5917

 4.4513, 1.9573,
4.0298

308.8369,

 1.9605, 0.5825,

268.6697, 334.6597

1.6417

365.9620,
321.8146, 397.7866

■ 0.6116, 0.0000,
0.3203

■ 0.0000, 0.0000,
0.0000

■ 64.2641, 48.6956,
66.9849

■ 64.2641, 48.6956,
66.9849

■ 59.1748, 40.6818,
58.6146

■ 70.3460, 58.5365,
76.1734

■ 55.0153, 34.3733,
51.0300

■ 77.4713, 70.3035,
86.2050

■ 51.7207, 29.6434,
44.1997

■ 85.6912, 84.0959,
97.1067

■ 49.2156, 26.3448,
38.0880

95.0500, 100.0000,
108.9000

■ 47.4104, 24.3018,
32.6541

■ 46.1601, 23.2281,
27.8383

■ 46.1598, 23.2279,
27.8372

Harmonies

Analogous

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



58.9405, 48.6956, 95.0291



64.2641, 48.6956, 66.9849



64.3885, 48.6956, 42.0548

Triad

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



64.2641, 48.6956, 66.9849



42.2768, 48.6956, 18.9104



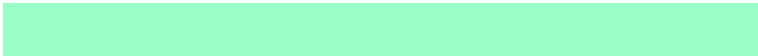
35.3539, 48.6956, 93.8810

Complementary

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



64.2641, 48.6956, 66.9849



59.0917, 82.3704, 66.2140

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.



31.9371, 48.6956, 65.7454



64.2641, 48.6956, 66.9849



35.5824, 48.6956, 25.6777

Square

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



64.2641, 48.6956, 66.9849



50.9323, 48.6956, 19.0546



32.0152, 48.6956, 41.1469



41.9270, 48.6956, 113.5640

Rectangle

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



64.2641, 48.6956, 66.9849



61.4604, 48.6956, 30.3916



32.0152, 48.6956, 41.1469



33.8369, 48.6956, 84.7712

Sweetspot

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



64.2653, 48.6977, 66.9859



83.9552, 81.1673, 94.8527



52.5216, 41.9024, 99.9275



17.7327, 16.9740, 19.9918



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.



64.2653, 48.6977, 66.9859



60.1152, 42.1427, 60.2229



58.9605, 46.5758, 39.0512



18.4344, 18.1571, 20.9048



24.1959, 12.1676, 14.9478



2.4109, 1.2067, 1.7450

Inverse Universe

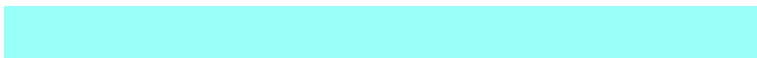
The Inverse Universe completely reimagines the original color for something new.



64.2653, 48.6977, 66.9859



60.1152, 42.1427, 60.2229



65.8725, 85.0827, 101.9208



18.4344, 18.1571, 20.9048



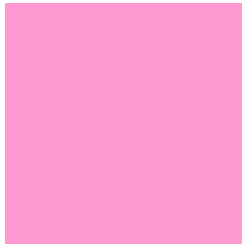
24.1959, 12.1676, 14.9478



2.4109, 1.2067, 1.7450

Previews

White Background



This preview shows how the XYZ color 64.2641, 48.6956, 66.9849 looks on a white background.

Color Contrast Check

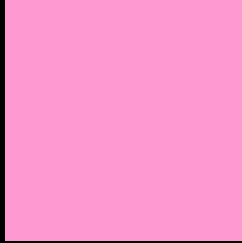
Large Text (above 18pt) WCAG AA × Fail

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 64.2641, 48.6956, 66.9849 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 64.2641, 48.6956, 66.9849

Background



This preview shows how black text looks on a background with the XYZ color 64.2641, 48.6956, 66.9849.



This preview shows how white text looks on a background with the XYZ color 64.2641, 48.6956,

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

64.2641, 48.6956, 66.9849

Protanopia

49.2435, 49.1645, 82.4956

Deuteranopia

50.0490, 49.0576, 64.5888



Tritanopia

59.8009, 48.6294, 45.2643

Trichromacy



Original Color

64.2641, 48.6956, 66.9849



Protanomaly

53.1647, 48.0522, 76.2850



Deuteranomaly

54.4407, 48.3825, 65.5009



Tritanomaly

61.0648, 48.3546, 52.5693

Monochromacy



Original Color

64.2641, 48.6956, 66.9849



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

53.5317, 49.7716, 59.6088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2641, 48.6956, 66.9849 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, 153, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 210) }
```

Border

The CSS property to change the border of an element to XYZ 64.2641, 48.6956, 66.9849 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, 153, 210) }
```


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

```
.border{ border-color:rgb(255, 153, 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, 153, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2641, 48.6956, 66.9849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 210) }
```

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

```
.background{ background-color: rgb(255,  
153, 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](#).

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