

# Converting Colors

XYZ(66.6375, 49.6450, 79.4831)

Have a look what the booklet for  
XYZ(66.6375, 49.6450, 79.4831)  
contains.

<b>XYZ(66.6348, 49.6439, 79.4690)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(66.6348, 49.6439,  
79.4690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99E4
RGB	255, 153, 228
RGB Percent	100%, 60%, 89%
CMY	0.0000, 0.4000, 0.1059
CMYK	0.00, 0.40, 0.11, 0.00
HSL	316°, 100%, 80%
HSV	316°, 40%, 100%
XYZ	66.6348, 49.6439, 79.4690
YIQ	192.0480, 36.7170, 44.9490

# Conversions

## Conversions Part 2

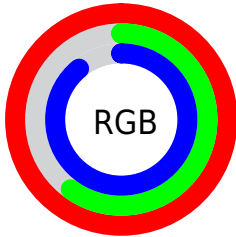
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 153, 228
Decimal	16751076
CIE Lab	75.85, 48.27, -21.71
CIE LCh	76, 52.929, 335.787
Yxy	49.6439, 0.3404, 0.2536
Android (android.graphics.Color)	4294941156 (0xFFFF99E4)
YUV	192.0480, 17.7243, 55.2089
Hunter-Lab	70.4584, 45.5109, -17.5514

# Details

The XYZ color **66.6348, 49.6439, 79.4690** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.1368, 81.5884, 55.9196**, and the grayscale version is **50.0170, 52.6218, 57.3051**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **34.9342, 23.7726, 41.7771** is the 20% darker color. If you saturate the color by 10%, you get **61.9795, 41.8037, 73.3841**, and if you desaturate by 10%, it is **72.2208, 59.2864, 86.0458**.

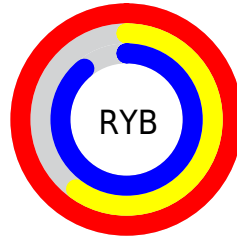
# Distribution



Red (100%)

Green (60%)

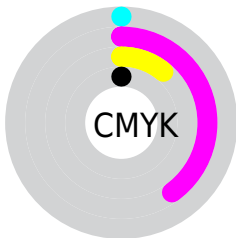
Blue (89%)



Red (100%)

Yellow (60%)

Blue (89%)

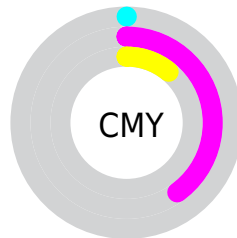


Cyan (0%)

Magenta (40%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6348, 49.6439, 79.4690 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 66.6348, 49.6439, 79.4690 by changing the saturation by 10% instead.





 66.6348, 49.6439,  
79.4690


 66.6348, 49.6439,  
79.4690


438.0967,  
385.2717, 512.8010

 49.0575, 35.1305,  
58.7579


 113.4496, 89.6470,  
134.4236

 34.8798, 23.7634,  
41.9995

 143.4179,  
115.9056, 169.5041

 23.7364, 15.1582,  
28.7754


178.2472,  
146.8480, 210.2115

 15.2619, 8.9305,  
18.6668

218.3029,  
182.8587, 256.9644

 9.0909, 4.6959,  
11.2554

263.9503,  
224.3220, 310.1812

 4.8581, 2.0700,  
6.1226


315.5549,


 2.1981, 0.6476,


271.6223, 370.2806


2.8498


373.4819,  
325.1441, 437.6810

 0.7418, 0.0000,  
1.0184


 0.0000, 0.0000,  
0.0000


 66.6348, 49.6439,  
79.4690


 66.6348, 49.6439,  
79.4690


 61.9795, 41.8037,  
73.3841


 72.2208, 59.2864,  
86.0458

 58.1936, 35.6446,  
67.7670

 78.7865, 70.8296,  
93.1312

 55.2139, 31.0407,  
62.5950

 86.3819, 84.3721,  
100.7443

 52.9667, 27.8453,  
57.8415

95.0500, 100.0000,  
108.9000

■ 51.3643, 25.8834,  
53.4751

■ 50.2633, 24.8694,  
49.4459

■ 50.2631, 24.8692,  
49.4449

# Harmonies

## Analogous

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



59.1393, 49.6439, 111.0175



66.6348, 49.6439, 79.4690



68.6286, 49.6439, 48.7713

# Triad

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



66.6348, 49.6439, 79.4690



45.3026, 49.6439, 16.0743



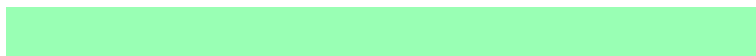
33.4381, 49.6439, 92.3455

# Complementary

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



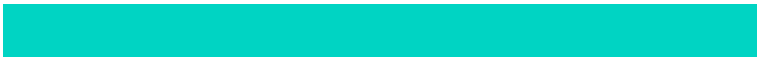
66.6348, 49.6439, 79.4690



57.1368, 81.5884, 55.9196

# 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.



30.7501, 49.6439, 59.7045



66.6348, 49.6439, 79.4690



36.9611, 49.6439, 20.9307

# Square

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



66.6348, 49.6439, 79.4690



55.3801, 49.6439, 18.1598



31.9442, 49.6439, 34.7328



39.8412, 49.6439, 120.0831



# Rectangle

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



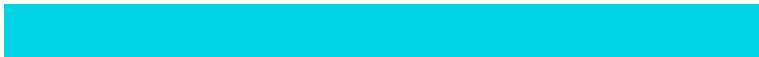
66.6348, 49.6439, 79.4690



66.3588, 49.6439, 33.7381



31.9442, 49.6439, 34.7328



32.1138, 49.6439, 81.2256

# Sweetspot

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



66.6360, 49.6460, 79.4700



84.7763, 81.4958, 99.1767



47.9184, 39.5293, 99.7121



17.9264, 17.0514, 21.0115



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.



66.6360, 49.6460, 79.4700



62.8382, 43.2318, 74.5617



60.7189, 47.2792, 48.3112



18.5753, 18.2134, 21.6467



26.3285, 13.0207, 26.1783



2.6087, 1.2859, 2.7868



# Inverse Universe

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



66.6360, 49.6460, 79.4700



62.8382, 43.2318, 74.5617



63.1111, 83.9781, 87.3795



18.5753, 18.2134, 21.6467



26.3285, 13.0207, 26.1783



2.6087, 1.2859, 2.7868



# Previews

## White Background



This preview shows how the XYZ color 66.6348, 49.6439, 79.4690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

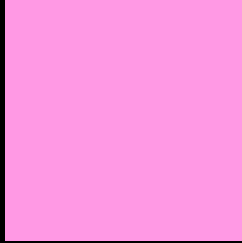
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6348, 49.6439, 79.4690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

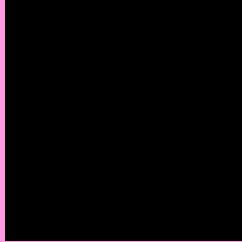
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.6348, 49.6439, 79.4690

## Background



This preview shows how black text looks on a background with the XYZ color 66.6348, 49.6439, 79.4690.



This preview shows how white text looks on a background with the XYZ color 66.6348, 49.6439,

79.4690.

# 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

66.6348, 49.6439, 79.4690

### Protanopia

51.1237, 50.0980, 98.2422

### Deuteranopia

50.9918, 49.8861, 76.7535



## Tritanopia

60.0006, 49.4687, 47.4603

# Trichromacy



## Original Color

66.6348, 49.6439, 79.4690



## Protanomaly

54.9406, 48.6376, 91.2863



## Deuteranomaly

55.4945, 48.9383, 77.7553



## Tritanomaly

62.0321, 49.2456, 57.8657

# Monochromacy



## Original Color

66.6348, 49.6439, 79.4690



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

54.9642, 50.6956, 64.6459

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6348, 49.6439, 79.4690 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6348, 49.6439, 79.4690 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, 228) }
```



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

```
.border{ border-color:rgb(255, 153, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6348, 49.6439, 79.4690 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, 228) }
```

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

```
.background{ background-color: rgb(255,  
153, 228) }
```

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