

# Converting Colors

XYZ(71.3265, 53.3461, 69.5488)

Have a look what the booklet for  
XYZ(71.3265, 53.3461, 69.5488)  
contains.

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# Color

**XYZ(65.3072, 50.1780,  
69.1941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9DD5
RGB	255, 157, 213
RGB Percent	100%, 62%, 84%
CMY	0.0000, 0.3843, 0.1647
CMYK	0.00, 0.38, 0.16, 0.00
HSL	326°, 100%, 81%
HSV	326°, 38%, 100%
XYZ	65.3072, 50.1780, 69.1941
YIQ	192.6860, 40.4320, 38.1920

# Conversions

## Conversions Part 2

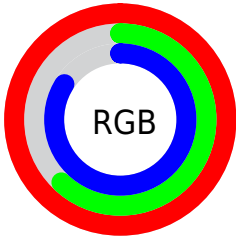
Format	Color
R <sub>Y</sub> B	255, 157, 213
Decimal	16752085
CIE Lab	76.18, 43.89, -13.02
CIE LCh	76, 45.779, 343.475
Yxy	50.1780, 0.3536, 0.2717
Android (android.graphics.Color)	4294942165 (0xFFFF9DD5)
YUV	192.6860, 10.0148, 54.6494
Hunter-Lab	70.8364, 40.6032, -8.3299

# Details

The XYZ color **65.3072, 50.1780, 69.1941** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.9752, 82.8125, 66.8594**, and the grayscale version is **50.4320, 53.0584, 57.7806**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **34.0478, 24.0394, 35.1933** is the 20% darker color. If you saturate the color by 10%, you get **60.0937, 41.8966, 60.8414**, and if you desaturate by 10%, it is **71.5169, 60.3016, 78.3413**.

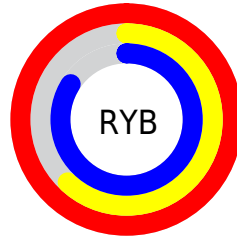
# Distribution



Red (100%)

Green (62%)

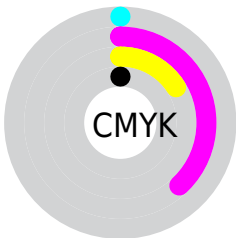
Blue (84%)



Red (100%)

Yellow (62%)

Blue (84%)

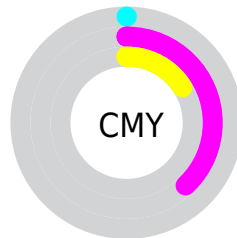


Cyan (0%)

Magenta (38%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3072, 50.1780, 69.1941 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 65.3072, 50.1780, 69.1941 by changing the saturation by 10% instead.




 65.3072, 50.1780,  
69.1941


 65.3072, 50.1780,  
69.1941


433.4229,  
387.3616, 476.4277

 47.9758, 35.5549,  
50.3971


 111.5547, 90.4386,  
119.7291

 34.0189, 24.0906,  
35.3556

 141.2015,  
116.8447, 152.3041

 23.0711, 15.4008,  
23.6512


175.6841,  
147.9474, 190.3089

 14.7670, 9.1012,  
14.8653

215.3680,  
184.1309, 234.1619

 8.7413, 4.8072,  
8.5793

260.6185,  
225.7797, 284.2818

 4.6286, 2.1346,  
4.3748

311.8009,

 2.0635, 0.6840,

273.2782, 341.0870

1.8331

369.2806,  
327.0107, 404.9961

■ 0.6693, 0.0000,  
0.4497

■ 0.0000, 0.0000,  
0.0000

■ 65.3072, 50.1780,  
69.1941

■ 65.3072, 50.1780,  
69.1941

■ 60.0937, 41.8966,  
60.8414

■ 71.5169, 60.3016,  
78.3413

■ 55.8144, 35.3372,  
53.2518

■ 78.7724, 72.3648,  
88.3066

■ 52.4059, 30.3758,  
46.3954

■ 87.1245, 86.4657,  
99.1159

■ 49.7947, 26.8683,  
40.2382

95.0500, 100.0000,  
108.9000

■ 47.8941, 24.6447,  
34.7413

■ 46.5835, 23.4670,  
29.8542

■ 46.4058, 23.3263,  
29.1326

# Harmonies

## Analogous

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



59.9583, 50.1780, 96.5567



65.3072, 50.1780, 69.1941



65.5876, 50.1780, 44.3553

# Triad

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



65.3072, 50.1780, 69.1941



43.9533, 50.1780, 20.3825



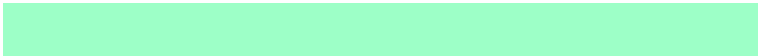
36.7021, 50.1780, 93.9832

# Complementary

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



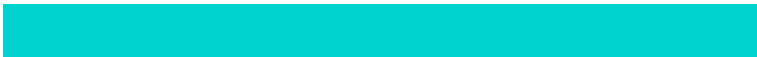
65.3072, 50.1780, 69.1941



59.9752, 82.8125, 66.8594

# 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.



33.3904, 50.1780, 66.3923



65.3072, 50.1780, 69.1941



37.2255, 50.1780, 27.0369

# Square

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



65.3072, 50.1780, 69.1941



52.5369, 50.1780, 20.7213



33.5697, 50.1780, 42.2769



43.1558, 50.1780, 113.5481



# Rectangle

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



65.3072, 50.1780, 69.1941



62.8074, 50.1780, 32.5121



33.5697, 50.1780, 42.2769



35.2211, 50.1780, 85.0336

# Sweetspot

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



65.3084, 50.1802, 69.1951



84.0131, 81.1905, 95.1574



53.3538, 43.3197, 100.1572



17.7463, 16.9794, 20.0635



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.



65.3084, 50.1802, 69.1951



61.2720, 43.7456, 62.7991



60.1053, 48.0989, 41.7957



18.4444, 18.1611, 20.9572



24.3243, 12.2190, 15.6243



2.4231, 1.2116, 1.8097



# Inverse Universe

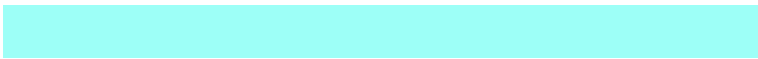
The Inverse Universe completely reimagines the original color for something new.



65.3084, 50.1802, 69.1951



61.2720, 43.7456, 62.7991



66.4287, 85.3939, 100.8428



18.4444, 18.1611, 20.9572



24.3243, 12.2190, 15.6243



2.4231, 1.2116, 1.8097



# Previews

## White Background



This preview shows how the XYZ color 65.3072, 50.1780, 69.1941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

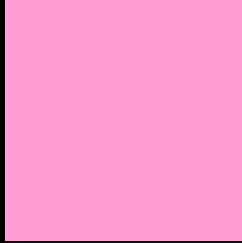
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3072, 50.1780, 69.1941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

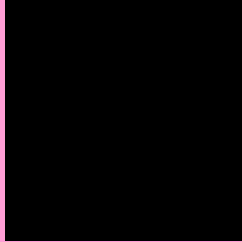
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.3072, 50.1780, 69.1941

## Background



This preview shows how black text looks on a background with the XYZ color 65.3072, 50.1780, 69.1941.



This preview shows how white text looks on a background with the XYZ color 65.3072, 50.1780,



# 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

65.3072, 50.1780, 69.1941

### Protanopia

50.3983, 50.3481, 84.1527

### Deuteranopia

51.3446, 50.2914, 66.6756



## Tritanopia

60.8956, 50.1947, 47.5533

# Trichromacy



## Original Color

65.3072, 50.1780, 69.1941



## Protanomaly

54.2343, 49.1301, 78.5761



## Deuteranomaly

55.6824, 49.8307, 67.6563



## Tritanomaly

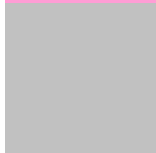
62.0751, 49.8593, 54.4962

# Monochromacy



## Original Color

65.3072, 50.1780, 69.1941



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

55.0655, 51.4116, 61.6647

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3072, 50.1780, 69.1941 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3072, 50.1780, 69.1941 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, 213) }
```



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

```
.border{ border-color:rgb(255, 157, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3072, 50.1780, 69.1941 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
157, 213) }
```

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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