

# Converting Colors

XYZ(67.5394, 39.3072, 66.8028)

Have a look what the booklet for  
XYZ(67.5394, 39.3072, 66.8028)  
contains.

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# Color

**XYZ(57.1646, 33.8928,  
66.4798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5DD5
RGB	255, 93, 213
RGB Percent	100%, 36%, 84%
CMY	0.0000, 0.6353, 0.1647
CMYK	0.00, 0.64, 0.16, 0.00
HSL	316°, 100%, 68%
HSV	316°, 64%, 100%
XYZ	57.1646, 33.8928, 66.4798
YIQ	155.1180, 58.0320, 71.6640

# Conversions

## Conversions Part 2

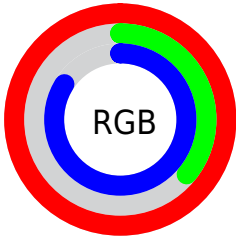
Format	Color
R <sub>YB</sub>	255, 93, 213
Decimal	16735701
CIE Lab	64.88, 73.44, -30.23
CIE LCh	65, 79.420, 337.629
Yxy	33.8928, 0.3629, 0.2151
Android (android.graphics.Color)	4294925781 (0xFFFF5DD5)
YUV	155.1180, 28.5358, 87.5965
Hunter-Lab	58.2175, 73.3910, -26.9522

# Details

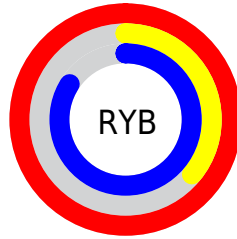
The XYZ color **57.1646, 33.8928, 66.4798** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **44.6488, 75.5971, 35.1631**, and the grayscale version is **31.0691, 32.6871, 35.5963**.

A 20% lighter version of the original color is **70.5182, 50.9365, 100.7227**, and **28.8935, 14.5033, 33.6243** is the 20% darker color. If you saturate the color by 10%, you get **54.4654, 29.8102, 61.5240**, and if you desaturate by 10%, it is **60.6454, 39.4837, 71.8657**.

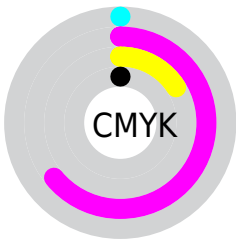
# Distribution



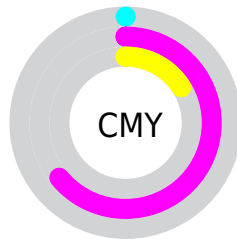
- Red (100%)
- Green (36%)
- Blue (84%)



- Red (100%)
- Yellow (36%)
- Blue (84%)



- Cyan (0%)
- Magenta (64%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1646, 33.8928, 66.4798 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 57.1646, 33.8928, 66.4798 by changing the saturation by 10% instead.





 57.1646, 33.8928,  
66.4798


 57.1646, 33.8928,  
66.4798

404.0700,  
319.6538, 466.5418


 41.3781, 22.8113,  
48.2031

 99.8353, 65.7669,  
115.8083

 28.8036, 14.4542,  
33.6266


 127.4502, 87.3283,  
147.6971

 19.0758, 8.4372,  
22.3318


 159.7385,  
113.1518, 184.9603

 11.8294, 4.3760,  
13.9003

 197.0657,  
143.6217, 228.0165

 6.6990, 1.8860,  
7.9134

239.7971,  
179.1224, 277.2842

 3.3192, 0.5400,  
3.9526

288.2980,

 1.3247, 0.0000,

220.0384, 333.1820

1.5994

342.9339,  
266.7541, 396.1283

■ 0.2016, 0.0000,  
0.2904

■ 0.0000, 0.0000,  
0.0000

■ 57.1646, 33.8928,  
66.4798

■ 57.1646, 33.8928,  
66.4798

■ 54.4654, 29.8102,  
61.5240

■ 60.6454, 39.4837,  
71.8657

■ 52.4676, 27.0763,  
56.9684

■ 64.9727, 46.7123,  
77.7042

■ 51.0771, 25.5035,  
52.7800

■ 70.2071, 55.6992,  
84.0177

■ 50.4130, 24.9292,  
50.2341

■ 76.4030, 66.5524,  
90.8263

83.6102, 79.3711,  
98.1484

91.8752, 94.2474,  
106.0013

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



47.6131, 33.8928, 112.7536



57.1646, 33.8928, 66.4798



59.3345, 33.8928, 29.1490

# Triad

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



57.1646, 33.8928, 66.4798



29.3785, 33.8928, 3.0480



17.7341, 33.8928, 90.3409

# Complementary

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



57.1646, 33.8928, 66.4798



44.6488, 75.5971, 35.1631

# 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.



14.9486, 33.8928, 45.9240



57.1646, 33.8928, 66.4798



20.5547, 33.8928, 6.1041

# Square

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



57.1646, 33.8928, 66.4798



41.3412, 33.8928, 3.9131



15.8422, 33.8928, 17.7313



24.5401, 33.8928, 131.3153



# Rectangle

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



57.1646, 33.8928, 66.4798



55.9224, 33.8928, 14.7053



15.8422, 33.8928, 17.7313



16.3801, 33.8928, 74.5489

# Sweetspot

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



57.1654, 33.8943, 66.4804



79.5369, 72.1051, 94.0757



31.7181, 20.0780, 96.8115



16.5950, 14.6722, 19.6939



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.



57.1654, 33.8943, 66.4804



53.9091, 29.0148, 60.3608



49.4238, 30.7977, 25.7138



18.5797, 18.2152, 21.6699



26.4061, 13.0517, 26.5869



2.6157, 1.2887, 2.8237



# Inverse Universe

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



57.1654, 33.8943, 66.4804



53.9091, 29.0148, 60.3608



52.4769, 78.7283, 76.3853



18.5797, 18.2152, 21.6699



26.4061, 13.0517, 26.5869



2.6157, 1.2887, 2.8237



# Previews

## White Background



This preview shows how the XYZ color 57.1646, 33.8928, 66.4798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

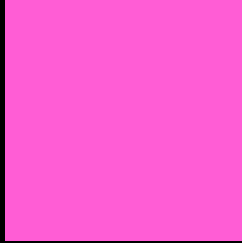
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1646, 33.8928, 66.4798 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

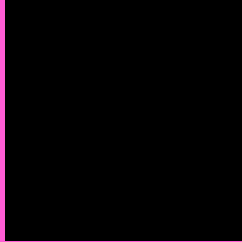
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.1646, 33.8928, 66.4798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.1646, 33.8928, 66.4798.



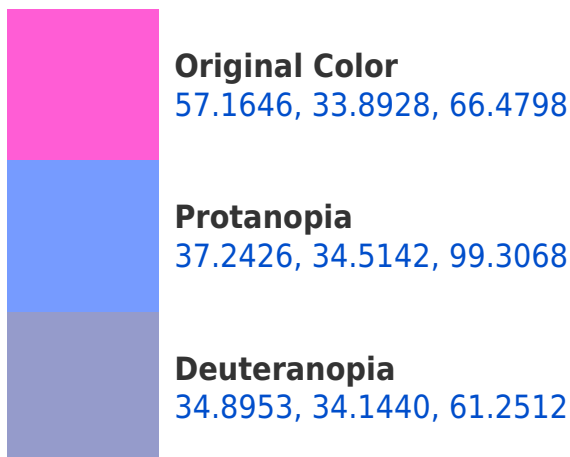
This preview shows how white text looks on a background with the XYZ color 57.1646, 33.8928,



# 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





## Tritanopia

48.0690, 33.7961, 23.3918

# Trichromacy



## Original Color

57.1646, 33.8928, 66.4798



## Protanomaly

40.1279, 31.1186, 86.3296



## Deuteranomaly

40.2528, 31.6989, 63.0284



## Tritanomaly

50.5153, 33.2992, 35.6632

# Monochromacy



## Original Color

57.1646, 33.8928, 66.4798



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

37.5736, 30.7135, 45.0222

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1646, 33.8928, 66.4798 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, 93, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 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, 93, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1646, 33.8928, 66.4798 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, 93, 213) }
```



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

```
.border{ border-color:rgb(255, 93, 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, 93, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1646, 33.8928, 66.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 213) }
```

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

```
.background{ background-color: rgb(255, 93,  
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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