

# Converting Colors

XYZ(59.2837, 36.0797, 73.5101)

Have a look what the booklet for  
XYZ(59.2837, 36.0797, 73.5101)  
contains.

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# Color

**XYZ(59.3107, 36.0905,  
73.6522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF66DF
RGB	255, 102, 223
RGB Percent	100%, 40%, 87%
CMY	0.0000, 0.6000, 0.1255
CMYK	0.00, 0.60, 0.13, 0.00
HSL	313°, 100%, 70%
HSV	313°, 60%, 100%
XYZ	59.3107, 36.0905, 73.6522
YIQ	161.5410, 52.3470, 70.0670

# Conversions

## Conversions Part 2

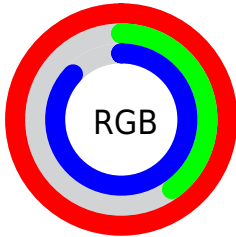
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 102, 223
Decimal	16738015
CIE Lab	66.59, 71.28, -33.17
CIE LCh	67, 78.622, 335.046
Yxy	36.0905, 0.3508, 0.2135
Android (android.graphics.Color)	4294928095 (0xFFFF66DF)
YUV	161.5410, 30.2993, 81.9635
Hunter-Lab	60.0754, 71.0961, -30.6366

# Details

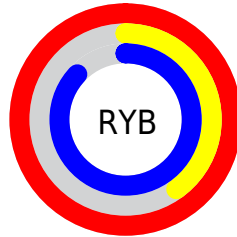
The XYZ color **59.3107, 36.0905, 73.6522** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.5440, 76.0667, 34.8388**, and the grayscale version is **33.9757, 35.7450, 38.9263**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.1423, 15.7153, 38.0039** is the 20% darker color. If you saturate the color by 10%, you get **56.4709, 31.5437, 69.2137**, and if you desaturate by 10%, it is **62.9452, 42.1903, 78.4682**.

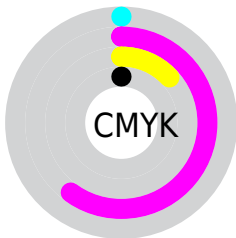
# Distribution



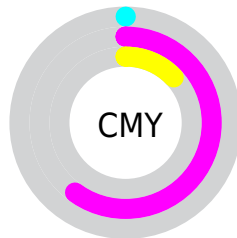
- Red (100%)
- Green (40%)
- Blue (87%)



- Red (100%)
- Yellow (40%)
- Blue (87%)



- Cyan (0%)
- Magenta (60%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3107, 36.0905, 73.6522 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 59.3107, 36.0905, 73.6522 by changing the saturation by 10% instead.





 59.3107, 36.0905,  
73.6522


 59.3107, 36.0905,  
73.6522


411.9279,  
329.3559, 492.4034


 43.1106, 24.5041,  
54.0144


 102.9411, 69.1717,  
126.1321


 30.1668, 15.7080,  
38.2199


 131.1022, 91.4353,  
159.8113

 20.1139, 9.3178,  
25.8502


 163.9810,  
118.0268, 199.0080

 12.5866, 4.9490,  
16.4869

 201.9428,  
149.3306, 244.1408

 7.2196, 2.2174,  
9.7113

245.3531,  
185.7309, 295.6282

 3.6473, 0.7294,  
5.1048

294.5771,

 1.5046, 0.0000,

227.6124, 353.8887

2.2491

349.9803,  
275.3592, 419.3409

■ 0.3290, 0.0000,  
0.7025

■ 0.0000, 0.0000,  
0.0000

■ 59.3107, 36.0905,  
73.6522

■ 59.3107, 36.0905,  
73.6522

■ 56.4709, 31.5437,  
69.2137

■ 62.9452, 42.1903,  
78.4682

■ 54.3500, 28.3987,  
65.1252


■ 67.4361, 49.9665,  
83.6820


■ 52.8611, 26.4822,  
61.3571

■ 72.8418, 59.5353,  
89.3145

■ 51.8613, 25.5087,  
57.8607

■ 79.2147, 71.0015,  
95.3842

 51.8610, 25.5084,  
57.8596

 86.6034, 84.4614,  
101.9081

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.



49.0791, 36.0905, 120.3051



59.3107, 36.0905, 73.6522



62.2890, 36.0905, 33.8453

# Triad

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



59.3107, 36.0905, 73.6522



32.3426, 36.0905, 3.5809



18.8573, 36.0905, 89.7767

# Complementary

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



59.3107, 36.0905, 73.6522



45.5440, 76.0667, 34.8388

# 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.



16.2785, 36.0905, 45.3035



59.3107, 36.0905, 73.6522



22.8371, 36.0905, 6.4656

# Square

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



59.3107, 36.0905, 73.6522



44.8131, 36.0905, 4.8946



17.5475, 36.0905, 17.7349



25.5798, 36.0905, 132.7831



# Rectangle

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



59.3107, 36.0905, 73.6522



59.2887, 36.0905, 17.6798



17.5475, 36.0905, 17.7349



17.5572, 36.0905, 73.7949

# Sweetspot

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



59.3115, 36.0920, 73.6529



80.6075, 73.5270, 96.6501



32.4130, 21.6788, 97.0838



16.8218, 14.9558, 20.2935



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.



59.3115, 36.0920, 73.6529



55.9910, 30.8064, 68.3676



51.3300, 32.8994, 31.6226



18.6203, 18.2315, 21.8839



27.1549, 13.3513, 30.5300



2.6829, 1.3155, 3.1774



# Inverse Universe

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



59.3115, 36.0920, 73.6529



55.9910, 30.8064, 68.3676



52.7617, 78.9538, 72.8468



18.6203, 18.2315, 21.8839



27.1549, 13.3513, 30.5300



2.6829, 1.3155, 3.1774



# Previews

## White Background



This preview shows how the XYZ color 59.3107, 36.0905, 73.6522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

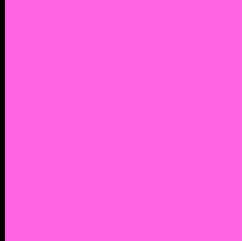
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3107, 36.0905, 73.6522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

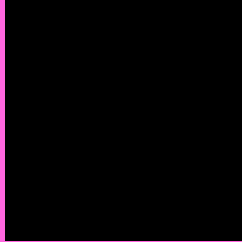
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.3107, 36.0905, 73.6522**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.3107, 36.0905, 73.6522.



This preview shows how white text looks on a background with the XYZ color 59.3107, 36.0905,



# 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

59.3107, 36.0905, 73.6522

### Protanopia

39.0523, 36.4519, 99.5854

### Deuteranopia

37.2861, 36.4807, 68.6946



## Tritanopia

49.6427, 35.9813, 26.8829

# Trichromacy



## Original Color

59.3107, 36.0905, 73.6522



## Protanomaly

42.4997, 33.5323, 89.0264



## Deuteranomaly

42.4960, 34.1664, 70.0006



## Tritanomaly

52.3111, 35.6155, 40.1938

# Monochromacy



## Original Color

59.3107, 36.0905, 73.6522



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

40.7948, 33.9526, 49.7508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3107, 36.0905, 73.6522 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, 102, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 223)  
}
```

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, 102, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3107, 36.0905, 73.6522 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, 102, 223) }
```



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

```
.border{ border-color:rgb(255, 102, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3107, 36.0905, 73.6522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 223) }
```

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

```
.background{ background-color: rgb(255,  
102, 223) }
```

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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