

Converting Colors

XYZ(57.8467, 35.5266, 65.8758)

Have a look what the booklet for
XYZ(57.8467, 35.5266, 65.8758)
contains.

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Color

**XYZ(57.8750, 35.5162,
66.0923)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66D4
RGB	255, 102, 212
RGB Percent	100%, 40%, 83%
CMY	0.0000, 0.6000, 0.1686
CMYK	0.00, 0.60, 0.17, 0.00
HSL	317°, 100%, 70%
HSV	317°, 60%, 100%
XYZ	57.8750, 35.5162, 66.0923
YIQ	160.2870, 55.8780, 66.6460

Conversions

Conversions Part 2

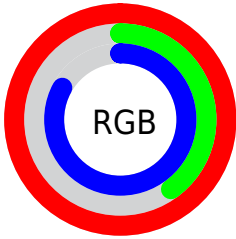
Format	Color
R _Y B	255, 102, 212
Decimal	16738004
CIE _{Lab}	66.15, 69.70, -27.70
CIE _{LCh}	66, 75.009, 338.324
Yxy	35.5162, 0.3629, 0.2227
Android (android.graphics.Color)	4294928084 (0xFFFF66D4)
YUV	160.2870, 25.4945, 83.0633
Hunter-Lab	59.5955, 69.0548, -24.0367

Details

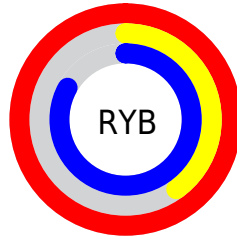
The XYZ color **57.8750, 35.5162, 66.0923** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.3518, 76.3898, 39.0928**, and the grayscale version is **33.4154, 35.1556, 38.2844**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **29.2530, 15.3596, 33.3212** is the 20% darker color. If you saturate the color by 10%, you get **54.8589, 30.8989, 60.7251**, and if you desaturate by 10%, it is **61.7034, 41.6936, 71.9291**.

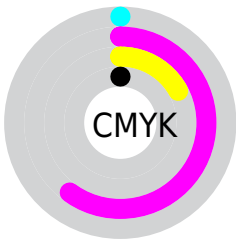
Distribution



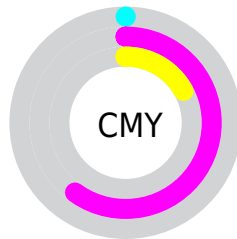
- Red (100%)
- Green (40%)
- Blue (83%)



- Red (100%)
- Yellow (40%)
- Blue (83%)



- Cyan (0%)
- Magenta (60%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8750, 35.5162, 66.0923 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 57.8750, 35.5162, 66.0923 by changing the saturation by 10% instead.


 57.8750, 35.5162,
66.0923


 57.8750, 35.5162,
66.0923


406.6814,
326.8410, 465.1201


 41.9510, 24.0608,
47.8904

 100.8648, 68.2847,
115.2471

 29.2539, 15.3787,
33.3807


 128.6614, 90.3665,
147.0370

 19.4182, 9.0856,
22.1448


 161.1462,
116.7593, 184.1933

 12.0787, 4.7971,
13.7640

 198.6846,
147.8474, 227.1346

 6.8698, 2.1287,
7.8198

241.6420,
184.0152, 276.2794

 3.4264, 0.6807,
3.8938

290.3837,

 1.3831, 0.0000,

225.6472, 332.0462

1.5672

345.2750,
273.1276, 394.8536

■ 0.2441, 0.0000,
0.2673

■ 0.0000, 0.0000,
0.0000

■ 57.8750, 35.5162,
66.0923

■ 57.8750, 35.5162,
66.0923

■ 54.8589, 30.8989,
60.7251

■ 61.7034, 41.6936,
71.9291

■ 52.5788, 27.6902,
55.7983

■ 66.4060, 49.5545,
78.2574

■ 50.9476, 25.7168,
51.2807

■ 72.0414, 59.2152,
85.0996

■ 49.8220, 24.6929,
47.1219

■ 78.6624, 70.7806,
92.4757

■ 49.8217, 24.6927,
47.1206

■ 86.3178, 84.3473,
100.4042

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.



48.8843, 35.5162, 109.6702



57.8750, 35.5162, 66.0923



59.7440, 35.5162, 30.4408

Triad

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



57.8750, 35.5162, 66.0923



30.7455, 35.5162, 4.1704



19.5690, 35.5162, 90.6518

Complementary

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



57.8750, 35.5162, 66.0923



46.3518, 76.3898, 39.0928

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.



16.6686, 35.5162, 48.2653



57.8750, 35.5162, 66.0923



22.1249, 35.5162, 7.7234

Square

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



57.8750, 35.5162, 66.0923



42.3169, 35.5162, 5.0654



17.4882, 35.5162, 20.1276



26.4372, 35.5162, 128.4742

Rectangle

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



57.8750, 35.5162, 66.0923



56.3819, 35.5162, 16.2317



17.4882, 35.5162, 20.1276



18.1752, 35.5162, 75.7597

Sweetspot

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



57.8759, 35.5178, 66.0930



80.1070, 73.3268, 94.0142



34.0963, 22.5466, 97.1626



16.6986, 14.9065, 19.6446



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.



57.8759, 35.5178, 66.0930



54.3458, 30.1483, 59.7038



50.5583, 32.5908, 27.5593



18.5621, 18.2082, 21.5773



26.1000, 12.9293, 24.9746



2.5880, 1.2776, 2.6777

Inverse Universe

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



57.8759, 35.5178, 66.0930



54.3458, 30.1483, 59.7038



54.0664, 79.4756, 79.7171



18.5621, 18.2082, 21.5773



26.1000, 12.9293, 24.9746



2.5880, 1.2776, 2.6777

Previews

White Background



This preview shows how the XYZ color 57.8750, 35.5162, 66.0923 looks on a white background.

Color Contrast Check

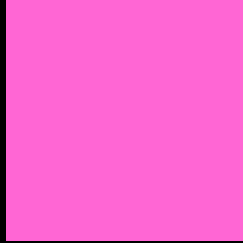
Large Text (above 18pt) WCAG AA × Fail

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 57.8750, 35.5162, 66.0923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

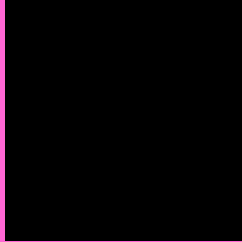
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8750, 35.5162, 66.0923

Background



This preview shows how black text looks on a background with the XYZ color 57.8750, 35.5162, 66.0923.

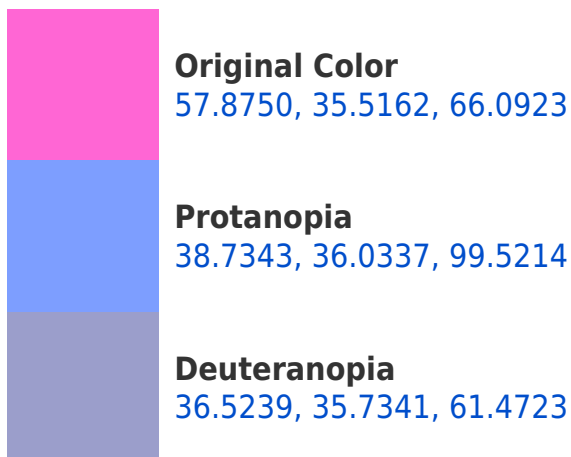


This preview shows how white text looks on a background with the XYZ color 57.8750, 35.5162,

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

49.4140, 35.3319, 25.6881

Trichromacy



Original Color

57.8750, 35.5162, 66.0923



Protanomaly

41.6817, 33.1796, 85.8688



Deuteranomaly

41.7149, 33.7096, 62.7005



Tritanomaly

51.9002, 35.1235, 37.3018

Monochromacy



Original Color

57.8750, 35.5162, 66.0923



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

39.8750, 33.3220, 46.9780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8750, 35.5162, 66.0923 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 212) }
```

Border

The CSS property to change the border of an element to XYZ 57.8750, 35.5162, 66.0923 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, 212) }
```


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

```
.border{ border-color:rgb(255, 102, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8750, 35.5162, 66.0923 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
102, 212) }
```

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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