

Converting Colors

XYZ(57.4806, 35.3584, 64.0154)

Have a look what the booklet for
XYZ(57.4806, 35.3584, 64.0154)
contains.

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Color

**XYZ(57.5000, 35.3662,
64.1174)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66D1
RGB	255, 102, 209
RGB Percent	100%, 40%, 82%
CMY	0.0000, 0.6000, 0.1804
CMYK	0.00, 0.60, 0.18, 0.00
HSL	318°, 100%, 70%
HSV	318°, 60%, 100%
XYZ	57.5000, 35.3662, 64.1174
YIQ	159.9450, 56.8410, 65.7130

Conversions

Conversions Part 2

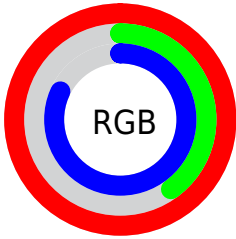
Format	Color
R _Y B	255, 102, 209
Decimal	16738001
CIE Lab	66.03, 69.29, -26.20
CIE LCh	66, 74.075, 339.286
Yxy	35.3662, 0.3663, 0.2253
Android (android.graphics.Color)	4294928081 (0xFFFF66D1)
YUV	159.9450, 24.1841, 83.3632
Hunter-Lab	59.4695, 68.5169, -22.2952

Details

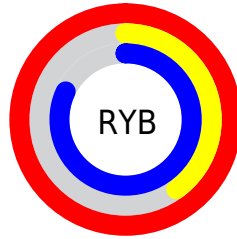
The XYZ color **57.5000, 35.3662, 64.1174** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.5863, 76.4836, 40.3275**, and the grayscale version is **33.2635, 34.9958, 38.1104**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **29.0315, 15.3214, 31.9990** is the 20% darker color. If you saturate the color by 10%, you get **54.4415, 30.7319, 58.5268**, and if you desaturate by 10%, it is **61.3763, 41.5628, 70.2067**.

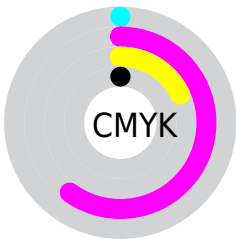
Distribution



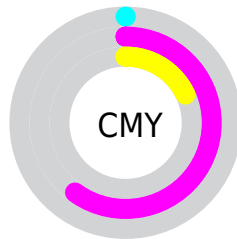
- Red (100%)
- Green (40%)
- Blue (82%)



- Red (100%)
- Yellow (40%)
- Blue (82%)



- Cyan (0%)
- Magenta (60%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5000, 35.3662, 64.1174 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 57.5000, 35.3662, 64.1174 by changing the saturation by 10% instead.


 57.5000, 35.3662,
64.1174

 57.5000, 35.3662,
64.1174


405.3042,
326.1818, 457.8326


 41.6485, 23.9451,
46.2990


 100.3215, 68.0527,
112.3811

 29.0161, 15.2929,
32.1314


 128.0223, 90.0869,
143.6634

 19.2373, 9.0252,
21.1963


 160.4035,
116.4275, 180.2708

 11.9469, 4.7576,
13.0749

 197.8306,
147.4590, 222.6218

 6.7795, 2.1058,
7.3488

240.6688,
183.5658, 271.1350

 3.3697, 0.6679,
3.5995

289.2836,

 1.3521, 0.0000,

225.1323, 326.2288

1.4083

344.0403,
272.5428, 388.3218

■ 0.2217, 0.0000,
0.1482

■ 0.0000, 0.0000,
0.0000

■ 57.5000, 35.3662,
64.1174

■ 57.5000, 35.3662,
64.1174

■ 54.4415, 30.7319,
58.5268

■ 61.3763, 41.5628,
70.2067

■ 52.1244, 27.5084,
53.4053

■ 66.1325, 49.4451,
76.8174

■ 50.4615, 25.5223,
48.7209

■ 71.8274, 59.1296,
83.9725

■ 49.3094, 24.4879,
44.4226

■ 78.5137, 70.7211,
91.6925

■ 49.3091, 24.4876,
44.4213

■ 86.2404, 84.3163,
99.9967

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.



48.8443, 35.3662, 106.8857



57.5000, 35.3662, 64.1174



59.0714, 35.3662, 29.5467

Triad

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



57.5000, 35.3662, 64.1174



30.3195, 35.3662, 4.3425



19.7710, 35.3662, 90.9271

Complementary

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



57.5000, 35.3662, 64.1174



46.5863, 76.4836, 40.3275

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.



16.7787, 35.3662, 49.1190



57.5000, 35.3662, 64.1174



21.9336, 35.3662, 8.0964

Square

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



57.5000, 35.3662, 64.1174



41.6543, 35.3662, 5.1117



17.4732, 35.3662, 20.8269



26.6821, 35.3662, 127.3509

Rectangle

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



57.5000, 35.3662, 64.1174



55.6123, 35.3662, 15.8463



17.4732, 35.3662, 20.8269



18.3502, 35.3662, 76.3342

Sweetspot

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



57.5009, 35.3678, 64.1181



79.9720, 73.2728, 93.3035



34.9978, 23.0114, 97.2048



16.6654, 14.8932, 19.4700



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.



57.5009, 35.3678, 64.1181



53.9205, 29.9782, 57.4643



50.1987, 32.4469, 25.6651



18.5463, 18.2019, 21.4942



25.8343, 12.8230, 23.5756



2.5638, 1.2679, 2.5503

Inverse Universe

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



57.5009, 35.3678, 64.1181



53.9205, 29.9782, 57.4643



54.7495, 79.7489, 83.3144



18.5463, 18.2019, 21.4942



25.8343, 12.8230, 23.5756



2.5638, 1.2679, 2.5503

Previews

White Background



This preview shows how the XYZ color 57.5000, 35.3662, 64.1174 looks on a white background.

Color Contrast Check

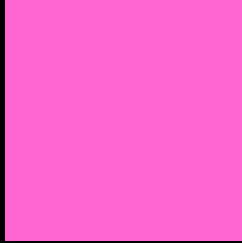
Large Text (above 18pt) WCAG AA × Fail

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 57.5000, 35.3662, 64.1174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

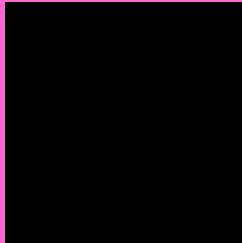
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.5000, 35.3662, 64.1174

Background



This preview shows how black text looks on a background with the XYZ color 57.5000, 35.3662, 64.1174.



This preview shows how white text looks on a background with the XYZ color 57.5000, 35.3662,

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

57.5000, 35.3662, 64.1174

Protanopia

38.4017, 35.9176, 97.0043

Deuteranopia

36.3625, 35.6918, 59.6163



Tritanopia

49.3466, 35.3049, 25.3328

Trichromacy



Original Color

57.5000, 35.3662, 64.1174



Protanomaly

41.4624, 33.1173, 83.5639



Deuteranomaly

41.6062, 33.6952, 60.8109



Tritanomaly

51.8131, 35.0887, 36.8428

Monochromacy



Original Color

57.5000, 35.3662, 64.1174



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

39.7742, 33.2817, 46.4472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5000, 35.3662, 64.1174 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 209) }
```

Border

The CSS property to change the border of an element to XYZ 57.5000, 35.3662, 64.1174 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, 209) }
```


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

```
.border{ border-color:rgb(255, 102, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5000, 35.3662, 64.1174 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
102, 209) }
```

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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