

Converting Colors

XYZ(83.2326, 50.2965, 64.9755)

Have a look what the booklet for
XYZ(83.2326, 50.2965, 64.9755)
contains.

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Color

**XYZ(58.5303, 37.6243,
63.8518)**

Conversions

Conversions Part 1

Format	Color
Hex	FF71D0
RGB	255, 113, 208
RGB Percent	100%, 44%, 82%
CMY	0.0000, 0.5568, 0.1843
CMYK	0.00, 0.56, 0.18, 0.00
HSL	320°, 100%, 72%
HSV	320°, 56%, 100%
XYZ	58.5303, 37.6243, 63.8518
YIQ	166.2880, 54.1370, 59.6490

Conversions

Conversions Part 2

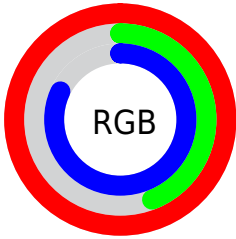
Format	Color
R _Y B	255, 113, 208
Decimal	16740816
CIE Lab	67.74, 64.43, -23.02
CIE LCh	68, 68.416, 340.337
Yxy	37.6243, 0.3658, 0.2351
Android (android.graphics.Color)	4294930896 (0xFFFF71D0)
YUV	166.2880, 20.5640, 77.8004
Hunter-Lab	61.3387, 62.9849, -18.7822

Details

The XYZ color **58.5303, 37.6243, 63.8518** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.9167, 77.5695, 45.6550**, and the grayscale version is **36.2713, 38.1603, 41.5565**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **29.5746, 16.5403, 31.7708** is the 20% darker color. If you saturate the color by 10%, you get **55.0634, 32.3084, 57.7084**, and if you desaturate by 10%, it is **62.8532, 44.5636, 70.5540**.

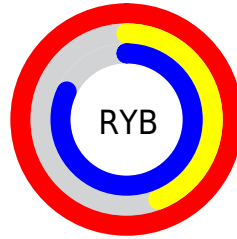
Distribution



Red (100%)

Green (44%)

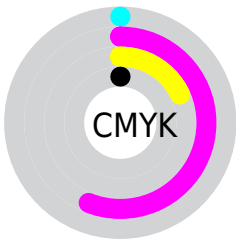
Blue (82%)



Red (100%)

Yellow (44%)

Blue (82%)

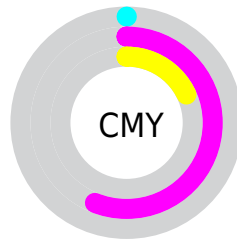


Cyan (0%)

Magenta (56%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5303, 37.6243, 63.8518 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 58.5303, 37.6243, 63.8518 by changing the saturation by 10% instead.


 58.5303, 37.6243,
63.8518

 58.5303, 37.6243,
63.8518

409.0811,
336.0056, 456.8470


 42.4800, 25.6912,
46.0852

 101.8132, 71.5319,
111.9949

 29.6701, 16.5928,
31.9639


 129.7766, 94.2753,
143.2085

 19.7352, 9.9446,
21.0694


 162.4417,
121.3908, 179.7415

 12.3098, 5.3622,
12.9830


200.1740,
153.2630, 222.0125

 7.0287, 2.4613,
7.2862

243.3387,
190.2761, 270.4400

 3.5266, 0.8572,
3.5606

292.3012,

 1.4380, 0.0000,

232.8147, 325.4426

1.3875

347.4269,
281.2630, 387.4388

■ 0.2830, 0.0000,
0.1320

■ 0.0000, 0.0000,
0.0000

■ 58.5303, 37.6243,
63.8518

■ 58.5303, 37.6243,
63.8518

■ 55.0634, 32.3084,
57.7084

■ 62.8532, 44.5636,
70.5540

■ 52.3802, 28.4729,
52.0944

■ 68.0912, 53.2433,
77.8377

■ 50.4002, 25.9582,
46.9789

■ 74.3010, 63.7755,
85.7260

■ 49.0230, 24.5648,
42.3242

■ 81.5337, 76.2611,
94.2401

48.5522, 24.1849,
40.4353

89.8368, 90.7942,
103.3995

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.



50.6036, 37.6243, 103.3194



58.5303, 37.6243, 63.8518



59.7267, 37.6243, 31.3798

Triad

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



58.5303, 37.6243, 63.8518



32.2346, 37.6243, 6.2327



22.3926, 37.6243, 91.4052

Complementary

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



58.5303, 37.6243, 63.8518



48.9167, 77.5695, 45.6550

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.



19.2549, 37.6243, 52.3303



58.5303, 37.6243, 63.8518



24.1475, 37.6243, 10.6795

Square

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



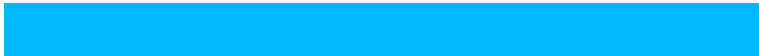
58.5303, 37.6243, 63.8518



43.0484, 37.6243, 6.9574



19.8267, 37.6243, 24.3296



29.3458, 37.6243, 123.9163

Rectangle

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



58.5303, 37.6243, 63.8518



56.3378, 37.6243, 18.0305



19.8267, 37.6243, 24.3296



20.9254, 37.6243, 77.9822

Sweetspot

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



58.5312, 37.6260, 63.8525



80.5212, 74.5022, 93.0826



38.0509, 26.2981, 97.6783



16.9118, 15.3866, 19.5501



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.



58.5312, 37.6260, 63.8525



54.6669, 31.7219, 56.9396



51.8090, 34.9371, 28.4541



18.5220, 18.1921, 21.3661



25.4415, 12.6659, 21.5075



2.5278, 1.2535, 2.3606

Inverse Universe

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



58.5312, 37.6260, 63.8525



54.6669, 31.7219, 56.9396



56.7094, 80.6866, 86.6905



18.5220, 18.1921, 21.3661



25.4415, 12.6659, 21.5075



2.5278, 1.2535, 2.3606

Previews

White Background



This preview shows how the XYZ color 58.5303, 37.6243, 63.8518 looks on a white background.

Color Contrast Check

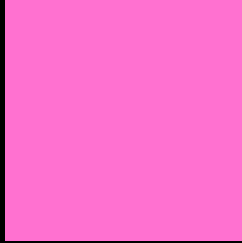
Large Text (above 18pt) WCAG AA × Fail

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 58.5303, 37.6243, 63.8518 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 58.5303, 37.6243, 63.8518

Background



This preview shows how black text looks on a background with the XYZ color 58.5303, 37.6243, 63.8518.



This preview shows how white text looks on a background with the XYZ color 58.5303, 37.6243,

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

58.5303, 37.6243, 63.8518

Protanopia

40.0599, 38.1902, 91.6463

Deuteranopia

38.6555, 37.9033, 59.9223



Tritanopia

51.1491, 37.4920, 28.5856

Trichromacy



Original Color

58.5303, 37.6243, 63.8518



Protanomaly

43.7469, 35.9008, 80.9678



Deuteranomaly

43.7787, 36.1286, 61.1660



Tritanomaly

53.4775, 37.3195, 39.0351

Monochromacy



Original Color

58.5303, 37.6243, 63.8518



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

42.0629, 36.2094, 48.4882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5303, 37.6243, 63.8518 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, 113, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 208)  
}
```

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, 113, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 208) }
```

Border

The CSS property to change the border of an element to XYZ 58.5303, 37.6243, 63.8518 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, 113, 208) }
```


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

```
.border{ border-color:rgb(255, 113, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 113, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5303, 37.6243, 63.8518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 208) }
```

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

```
.background{ background-color: rgb(255,  
113, 208) }
```

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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