

Converting Colors

XYZ(57.5133, 37.0754, 58.9350)

Have a look what the booklet for
XYZ(57.5133, 37.0754, 58.9350)
contains.

XYZ(57.4595, 37.0185, 58.7604)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.4595, 37.0185,
58.7604)**

Conversions

Conversions Part 1

Format	Color
Hex	FF70C8
RGB	255, 112, 200
RGB Percent	100%, 44%, 78%
CMY	0.0000, 0.5608, 0.2157
CMYK	0.00, 0.56, 0.22, 0.00
HSL	323°, 100%, 72%
HSV	323°, 56%, 100%
XYZ	57.4595, 37.0185, 58.7604
YIQ	164.7890, 56.9800, 57.6840

Conversions

Conversions Part 2

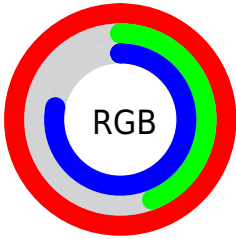
Format	Color
R_{YB}	255, 112, 200
Decimal	16740552
CIE _{Lab}	67.29, 63.76, -19.23
CIE _{LCh}	67, 66.600, 343.221
Yxy	37.0185, 0.3750, 0.2416
Android (android.graphics.Color)	4294930632 (0xFFFF70C8)
YUV	164.7890, 17.3590, 79.1150
Hunter-Lab	60.8428, 62.0991, -14.6707

Details

The XYZ color **57.4595, 37.0185, 58.7604** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **49.4188, 77.7555, 48.9664**, and the grayscale version is **35.5649, 37.4171, 40.7472**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **28.9671, 16.2236, 28.7989** is the 20% darker color. If you saturate the color by 10%, you get **53.9238, 31.7231, 52.1067**, and if you desaturate by 10%, it is **61.8671, 43.9397, 66.0684**.

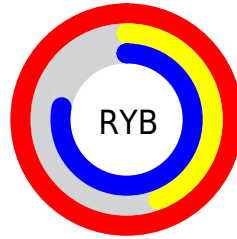
Distribution



Red (100%)

Green (44%)

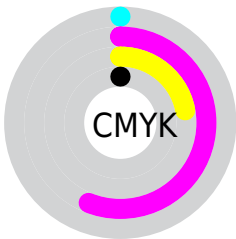
Blue (78%)



Red (100%)

Yellow (44%)

Blue (78%)

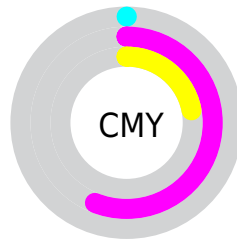


Cyan (0%)

Magenta (56%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4595, 37.0185, 58.7604 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 57.4595, 37.0185, 58.7604 by changing the saturation by 10% instead.


 57.4595, 37.0185,
58.7604


 57.4595, 37.0185,
58.7604


405.1553,
333.3906, 437.6905


 41.6158, 25.2218,
42.0015

 100.2628, 70.6012,
104.5550

 28.9904, 16.2424,
28.7769


 127.9532, 93.1561,
134.4279

 19.2178, 9.6958,
18.6680


 160.3233,
120.0658, 169.5092

 11.9327, 5.1978,
11.2562

197.7383,
151.7147, 210.2174

 6.7697, 2.3638,
6.1231

240.5636,
188.4872, 256.9711

 3.3636, 0.8071,
2.8501

289.1647,

 1.3488, 0.0000,

230.7678, 310.1888

1.0186

343.9068,
278.9408, 370.2891

■ 0.2193, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.4595, 37.0185,
58.7604

■ 57.4595, 37.0185,
58.7604

■ 53.9238, 31.7231,
52.1067

■ 61.8671, 43.9397,
66.0684

■ 51.1866, 27.9093,
46.0748

■ 67.2061, 52.6042,
74.0559

■ 49.1664, 25.4163,
40.6312

■ 73.5342, 63.1247,
82.7489

■ 47.7612, 24.0423,
35.7345

■ 80.9030, 75.6029,
92.1708

■ 47.3189, 23.6916,
33.9409

■ 89.3607, 90.1329,
102.3438

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.



50.3701, 37.0185, 96.5401



57.4595, 37.0185, 58.7604



57.8970, 37.0185, 28.7936

Triad

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



57.4595, 37.0185, 58.7604



30.8940, 37.0185, 6.6521



22.7577, 37.0185, 92.1987

Complementary

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



57.4595, 37.0185, 58.7604



49.4188, 77.7555, 48.9664

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.



19.3579, 37.0185, 54.5408



57.4595, 37.0185, 58.7604



23.4069, 37.0185, 11.6959

Square

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



57.4595, 37.0185, 58.7604



41.1460, 37.0185, 6.9270



19.5700, 37.0185, 26.1883



29.8295, 37.0185, 121.3678

Rectangle

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



57.4595, 37.0185, 58.7604



54.2397, 37.0185, 16.7282



19.5700, 37.0185, 26.1883



21.2146, 37.0185, 79.4985

Sweetspot

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



57.4604, 37.0202, 58.7611



80.1767, 74.3644, 91.2684



39.7437, 27.0061, 97.7257



16.8302, 15.3539, 19.1203



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.



57.4604, 37.0202, 58.7611



53.6383, 31.3105, 51.5233



50.9769, 34.4268, 24.6193



18.4792, 18.1750, 21.1407



24.8004, 12.4094, 18.1310



2.4682, 1.2296, 2.0467

Inverse Universe

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



57.4604, 37.0202, 58.7611



53.6383, 31.3105, 51.5233



57.9224, 81.1570, 93.7458



18.4792, 18.1750, 21.1407



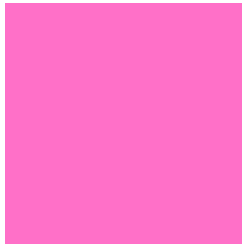
24.8004, 12.4094, 18.1310



2.4682, 1.2296, 2.0467

Previews

White Background



This preview shows how the XYZ color 57.4595, 37.0185, 58.7604 looks on a white background.

Color Contrast Check

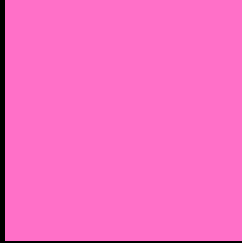
Large Text (above 18pt) WCAG AA × Fail

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 57.4595, 37.0185, 58.7604 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 57.4595, 37.0185, 58.7604

Background



This preview shows how black text looks on a background with the XYZ color 57.4595, 37.0185, 58.7604.



This preview shows how white text looks on a background with the XYZ color 57.4595, 37.0185,

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

57.4595, 37.0185, 58.7604

Protanopia

38.8759, 37.4722, 84.5408

Deuteranopia

38.0216, 37.1629, 55.0384



Tritanopia

51.1002, 37.0961, 27.7595

Trichromacy



Original Color

57.4595, 37.0185, 58.7604



Protanomaly

42.5839, 35.2193, 74.3656



Deuteranomaly

43.2260, 35.7272, 56.2475



Tritanomaly

53.0012, 36.9315, 37.1359

Monochromacy



Original Color

57.4595, 37.0185, 58.7604



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

41.6035, 35.7779, 46.8326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.4595, 37.0185, 58.7604 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, 112, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 200)  
}
```

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, 112, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 200) }
```

Border

The CSS property to change the border of an element to XYZ 57.4595, 37.0185, 58.7604 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, 112, 200) }
```


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

```
.border{ border-color:rgb(255, 112, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 57.4595, 37.0185, 58.7604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 200) }
```

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

```
.background{ background-color: rgb(255,  
112, 200) }
```

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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