

Converting Colors

XYZ(50.7478, 36.9260, 60.7708)

Have a look what the booklet for
XYZ(50.7478, 36.9260, 60.7708)
contains.

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Color

**XYZ(50.8907, 37.0384,
60.9668)**

Conversions

Conversions Part 1

Format	Color
Hex	E483CB
RGB	228, 131, 203
RGB Percent	89%, 51%, 80%
CMY	0.1059, 0.4863, 0.2039
CMYK	0.00, 0.43, 0.11, 0.11
HSL	315°, 64%, 70%
HSV	315°, 43%, 89%
XYZ	50.8907, 37.0384, 60.9668
YIQ	168.2110, 34.7000, 42.9560

Conversions

Conversions Part 2

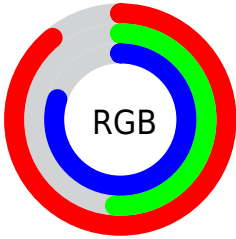
Format	Color
R _Y B	228, 131, 203
Decimal	14975947
CIE Lab	67.31, 46.93, -21.21
CIE LCh	67, 51.505, 335.677
Yxy	37.0384, 0.3418, 0.2488
Android (android.graphics.Color)	4293166027 (0xFFE483CB)
YUV	168.2110, 17.1510, 52.4350
Hunter-Lab	60.8592, 42.7589, -16.7934

Details

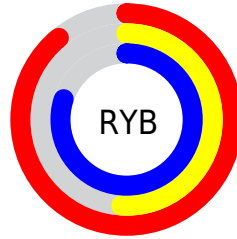
The XYZ color **50.8907, 37.0384, 60.9668** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.1059, 62.7136, 41.2881**, and the grayscale version is **37.2306, 39.1695, 42.6556**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **24.9438, 16.2766, 30.2608** is the 20% darker color. If you saturate the color by 10%, you get **47.4718, 31.2996, 56.4373**, and if you desaturate by 10%, it is **55.0122, 44.1387, 65.8622**.

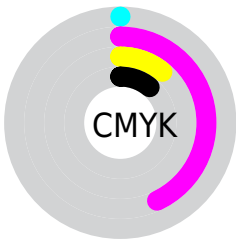
Distribution



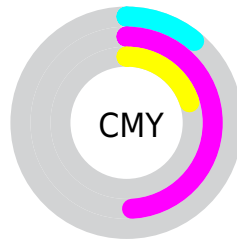
- Red (89%)
- Green (51%)
- Blue (80%)



- Red (89%)
- Yellow (51%)
- Blue (80%)



- Cyan (0%)
- Magenta (43%)
- Yellow (11%)
- Black (11%)





- Cyan (11%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8907, 37.0384, 60.9668 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 50.8907, 37.0384, 60.9668 by changing the saturation by 10% instead.


 50.8907, 37.0384,
60.9668

 50.8907, 37.0384,
60.9668


380.5336,
333.4767, 446.0555


 36.3423, 25.2372,
43.7680


 90.6771, 70.6318,
107.7879

 24.8700, 16.2539,
30.1523


 116.6459, 93.1929,
138.2473

 16.1085, 9.7040,
19.7012


 147.1522,
120.1094, 173.9640

 9.6923, 5.2031,
11.9961

182.5613,
151.7656, 215.3565

 5.2561, 2.3669,
6.6185

223.2387,
188.5461, 262.8433

 2.4346, 0.8088,
3.1499

269.5496,

 0.8624, 0.0000,

230.8352, 316.8431

1.1717

321.8595,
279.0173, 377.7743

■ 0.0000, 0.0000,
0.0000

■ 50.8907, 37.0384,
60.9668

■ 50.8907, 37.0384,
60.9668

■ 47.4718, 31.2996,
56.4373

■ 55.0122, 44.1387,
65.8622

■ 44.7070, 26.8277,
52.2551

■ 59.8738, 52.6766,
71.1363

■ 42.5471, 23.5241,
48.4026


■ 65.5142, 62.7289,
76.8038


■ 40.9342, 21.2733,
44.8590


■ 71.9685, 74.3651,
82.8778


■ 39.7985, 19.9363,
41.5997


■ 79.2696, 87.6508,
89.3705

 39.1787, 19.3675,
39.3250

 83.2261, 94.2025,
94.8862

 84.1052, 94.5541,
99.5152

 85.0127, 94.9171,
104.2941

 85.8052, 95.2341,
108.4674

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7985, 37.0384, 86.8328



50.8907, 37.0384, 60.9668



52.5321, 37.0384, 36.1873

Triad

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



50.8907, 37.0384, 60.9668



33.7265, 37.0384, 10.7296



24.2765, 37.0384, 71.2915

Complementary

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



50.8907, 37.0384, 60.9668



43.1059, 62.7136, 41.2881

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.



22.1788, 37.0384, 44.7742



50.8907, 37.0384, 60.9668



27.0875, 37.0384, 14.3555

Square

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



50.8907, 37.0384, 60.9668



41.8191, 37.0384, 12.3060



23.1256, 37.0384, 24.9687



29.3259, 37.0384, 94.1871

Rectangle

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



50.8907, 37.0384, 60.9668



50.6975, 37.0384, 24.2997



23.1256, 37.0384, 24.9687



23.2401, 37.0384, 62.1990

Sweetspot

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



50.8919, 37.0401, 60.9676



84.0261, 80.1047, 98.5891



35.6873, 28.8294, 77.0832



17.6231, 16.4979, 20.7466



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.



50.8919, 37.0401, 60.9676



61.6825, 41.1607, 73.4362



46.0501, 35.1034, 35.4711



14.8281, 14.5484, 17.2953



22.6737, 11.2037, 22.9743



1.7128, 0.8428, 1.8939

Inverse Universe

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



50.8919, 37.0401, 60.9676



61.6825, 41.1607, 73.4362



47.9740, 64.6608, 66.9233



14.8281, 14.5484, 17.2953



22.6737, 11.2037, 22.9743



1.7128, 0.8428, 1.8939

Previews

White Background



This preview shows how the XYZ color 50.8907, 37.0384, 60.9668 looks on a white background.

Color Contrast Check

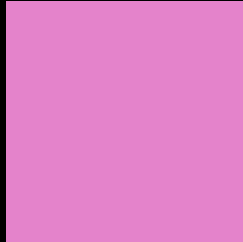
Large Text (above 18pt) WCAG AA × Fail

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 50.8907, 37.0384, 60.9668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

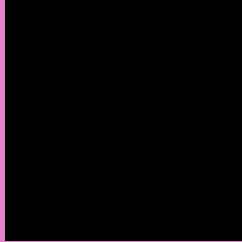
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8907, 37.0384, 60.9668

Background



This preview shows how black text looks on a background with the XYZ color 50.8907, 37.0384, 60.9668.



This preview shows how white text looks on a background with the XYZ color 50.8907, 37.0384,

60.9668.

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

50.8907, 37.0384, 60.9668

Protanopia

38.5019, 37.4426, 77.1494

Deuteranopia

38.2478, 37.4595, 58.6406



Tritanopia

45.3166, 36.8463, 34.4294

Trichromacy



Original Color

50.8907, 37.0384, 60.9668



Protanomaly

41.6260, 36.4253, 71.1665



Deuteranomaly

41.8252, 36.5476, 59.4936



Tritanomaly

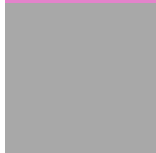
47.0368, 36.6789, 43.1287

Monochromacy



Original Color

50.8907, 37.0384, 60.9668



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.2970, 37.7260, 48.8213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8907, 37.0384, 60.9668 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(228, 131, 203)` looks like.

```
.text, #text, p{  
    color:rgb(228, 131, 203)  
}
```

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(228, 131, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 131, 203) }
```

Border

The CSS property to change the border of an element to XYZ 50.8907, 37.0384, 60.9668 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(228, 131, 203) }
```


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

```
.border{ border-color:rgb(228, 131, 203) }
```

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

Here you see how a box with a 4 pixel rgb(228, 131, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 131, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 131, 203);  
box-shadow:4px 4px 4px 4px rgb(228, 131,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8907, 37.0384, 60.9668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 131, 203) }
```

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

```
.background{ background-color: rgb(228,  
131, 203) }
```

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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