

Converting Colors

XYZ(50.5056, 37.7468, 58.8990)

Have a look what the booklet for
XYZ(50.5056, 37.7468, 58.8990)
contains.

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Color

**XYZ(50.3368, 37.6202,
58.6412)**

Conversions

Conversions Part 1

Format	Color
Hex	E287C7
RGB	226, 135, 199
RGB Percent	89%, 53%, 78%
CMY	0.1137, 0.4706, 0.2196
CMYK	0.00, 0.40, 0.12, 0.11
HSL	318°, 61%, 71%
HSV	318°, 40%, 89%
XYZ	50.3368, 37.6202, 58.6412
YIQ	169.5050, 33.6920, 39.1960

Conversions

Conversions Part 2

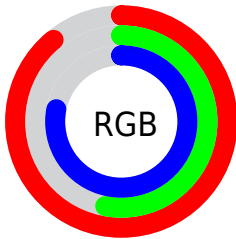
Format	Color
R _Y B	226, 135, 199
Decimal	14845895
CIE Lab	67.74, 43.58, -18.34
CIE LCh	68, 47.287, 337.176
Yxy	37.6202, 0.3434, 0.2566
Android (android.graphics.Color)	4293035975 (0xFFE287C7)
YUV	169.5050, 14.5410, 49.5461
Hunter-Lab	61.3353, 39.1550, -13.7510

Details

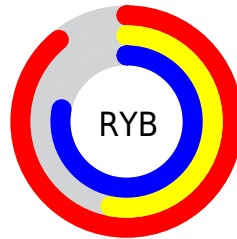
The XYZ color **50.3368, 37.6202, 58.6412** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.7113, 62.1534, 43.8780**, and the grayscale version is **37.8817, 39.8545, 43.4016**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **24.5663, 16.6659, 28.7101** is the 20% darker color. If you saturate the color by 10%, you get **46.7505, 31.6658, 53.6887**, and if you desaturate by 10%, it is **54.6290, 44.9303, 63.9990**.

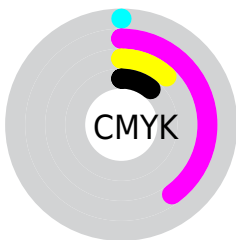
Distribution



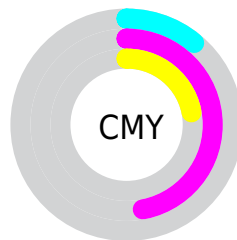
- Red (89%)
- Green (53%)
- Blue (78%)



- Red (89%)
- Yellow (53%)
- Blue (78%)



- Cyan (0%)
- Magenta (40%)
- Yellow (12%)
- Black (11%)





- Cyan (11%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3368, 37.6202, 58.6412 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 50.3368, 37.6202, 58.6412 by changing the saturation by 10% instead.


 50.3368, 37.6202,
58.6412

 50.3368, 37.6202,
58.6412


378.4118,
335.9879, 437.2358


 35.9000, 25.6880,
41.9062


 89.8625, 71.5256,
104.3800

 24.5267, 16.5904,
28.7029


 115.6822, 94.2677,
134.2209

 15.8516, 9.9429,
18.6125


 146.0268,
121.3819, 169.2676

 9.5094, 5.3611,
11.2167

181.2617,
153.2525, 209.9385

 5.1347, 2.4607,
6.0968

221.7523,
190.2641, 256.6522

 2.3621, 0.8568,
2.8343

267.8640,

 0.8261, 0.0000,

232.8009, 309.8273

1.0106

319.9620,
281.2474, 369.8823

■ 0.0000, 0.0000,
0.0000

■ 50.3368, 37.6202,
58.6412

■ 50.3368, 37.6202,
58.6412

■ 46.7505, 31.6658,
53.6887

■ 54.6290, 44.9303,
63.9990

■ 43.8234, 26.9761,
49.1228

■ 59.6629, 53.6688,
69.7751

■ 41.5086, 23.4576,
44.9259


■ 65.4762, 63.9098,
75.9845


■ 39.7511, 21.0011,
41.0775


■ 72.1028, 75.7204,
82.6405


■ 38.4859, 19.4767,
37.5536

■ 79.5745, 89.1637,
89.7557

 37.6173, 18.6701,
34.3955

 82.7392, 93.9349,
95.6148

 83.7500, 94.3392,
100.9373

 84.7979, 94.7583,
106.4556

 85.1743, 94.9089,
108.4378

Harmonies

Analogous

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



44.9388, 37.6202, 82.1268



50.3368, 37.6202, 58.6412



51.5909, 37.6202, 36.1371

Triad

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



50.3368, 37.6202, 58.6412



34.0299, 37.6202, 12.6004



25.6877, 37.6202, 70.4131

Complementary

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



50.3368, 37.6202, 58.6412



43.7113, 62.1534, 43.8780

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.



23.5475, 37.6202, 46.1984



50.3368, 37.6202, 58.6412



27.9194, 37.6202, 16.5343

Square

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



50.3368, 37.6202, 58.6412



41.4898, 37.6202, 13.9374



24.3051, 37.6202, 27.2496



30.5780, 37.6202, 90.3834

Rectangle

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



50.3368, 37.6202, 58.6412



49.7723, 37.6202, 25.1924



24.3051, 37.6202, 27.2496



24.6555, 37.6202, 62.2311

Sweetspot

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



50.3380, 37.6219, 58.6420



84.6256, 81.4355, 98.3831



37.0475, 30.3755, 75.8626



17.8908, 17.0372, 20.8241



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.



50.3380, 37.6219, 58.6420



62.3171, 43.0234, 71.8181



45.9221, 35.8556, 35.3882



14.1127, 13.8627, 16.3635



21.5150, 10.6730, 19.9095



1.5301, 0.7553, 1.5841

Inverse Universe

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



50.3380, 37.6219, 58.6420



62.3171, 43.0234, 71.8181



48.3644, 64.0147, 68.3814



14.1127, 13.8627, 16.3635



21.5150, 10.6730, 19.9095



1.5301, 0.7553, 1.5841

Previews

White Background



This preview shows how the XYZ color 50.3368, 37.6202, 58.6412 looks on a white background.

Color Contrast Check

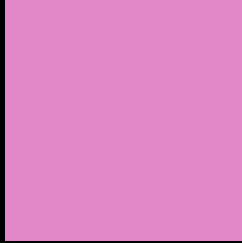
Large Text (above 18pt) WCAG AA × Fail

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 50.3368, 37.6202, 58.6412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

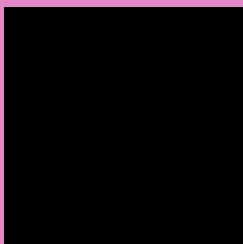
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3368, 37.6202, 58.6412

Background



This preview shows how black text looks on a background with the XYZ color 50.3368, 37.6202, 58.6412.



This preview shows how white text looks on a background with the XYZ color 50.3368, 37.6202,

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

50.3368, 37.6202, 58.6412

Protanopia

38.4611, 37.7929, 72.2855

Deuteranopia

38.6309, 37.7096, 56.2816



Tritanopia

45.7084, 37.6852, 35.8752

Trichromacy



Original Color

50.3368, 37.6202, 58.6412



Protanomaly

41.6350, 37.0009, 67.2348



Deuteranomaly

42.1783, 37.2608, 57.1936



Tritanomaly

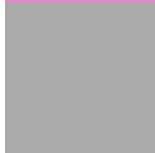
47.3070, 37.6780, 43.3073

Monochromacy



Original Color

50.3368, 37.6202, 58.6412



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.6327, 38.3973, 48.9332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3368, 37.6202, 58.6412 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(226, 135, 199)` looks like.

```
.text, #text, p{  
    color:rgb(226, 135, 199)  
}
```

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(226, 135, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 135, 199) }
```

Border

The CSS property to change the border of an element to XYZ 50.3368, 37.6202, 58.6412 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(226, 135, 199) }
```


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

```
.border{ border-color:rgb(226, 135, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 135, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 135, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 135, 199);  
box-shadow:4px 4px 4px 4px rgb(226, 135,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3368, 37.6202, 58.6412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 135, 199) }
```

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

```
.background{ background-color: rgb(226,  
135, 199) }
```

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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