

Converting Colors

XYZ(50.2890, 37.1440, 63.3003)

Have a look what the booklet for
XYZ(50.2890, 37.1440, 63.3003)
contains.

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Color

**XYZ(50.3905, 37.1273,
63.5419)**

Conversions

Conversions Part 1

Format	Color
Hex	E085CF
RGB	224, 133, 207
RGB Percent	88%, 52%, 81%
CMY	0.1216, 0.4784, 0.1882
CMYK	0.00, 0.41, 0.08, 0.12
HSL	311°, 59%, 70%
HSV	311°, 41%, 88%
XYZ	50.3905, 37.1273, 63.5419
YIQ	168.6450, 30.4820, 42.3060

Conversions

Conversions Part 2

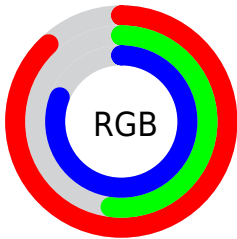
Format	Color
R _Y B	224, 133, 207
Decimal	14714319
CIE Lab	67.37, 45.31, -23.39
CIE LCh	67, 50.991, 332.699
Yxy	37.1273, 0.3336, 0.2458
Android (android.graphics.Color)	4292904399 (0xFFE085CF)
YUV	168.6450, 18.9090, 48.5463
Hunter-Lab	60.9322, 40.9870, -19.1769

Details

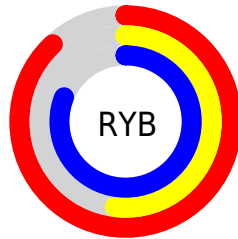
The XYZ color **50.3905, 37.1273, 63.5419** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **41.8351, 60.5011, 38.3295**, and the grayscale version is **37.4370, 39.3866, 42.8920**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **24.4725, 16.2198, 31.5467** is the 20% darker color. If you saturate the color by 10%, you get **47.1399, 31.4334, 59.9676**, and if you desaturate by 10%, it is **54.3109, 44.1378, 67.4071**.

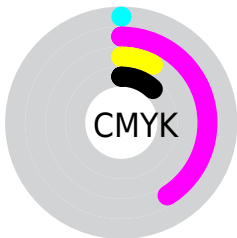
Distribution



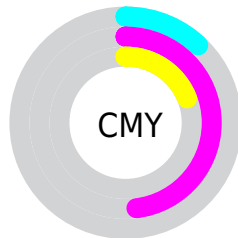
- Red (88%)
- Green (52%)
- Blue (81%)



- Red (88%)
- Yellow (52%)
- Blue (81%)



- Cyan (0%)
- Magenta (41%)
- Yellow (8%)
- Black (12%)




- Cyan (12%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3905, 37.1273, 63.5419 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 50.3905, 37.1273, 63.5419 by changing the saturation by 10% instead.

 50.3905, 37.1273,
63.5419

 50.3905, 37.1273,
63.5419

378.6179,
333.8613, 455.6955


 35.9428, 25.3061,
45.8359


 89.9416, 70.7685,
111.5440

 24.5600, 16.3052,
31.7686


 115.7757, 93.3573,
142.6773

 15.8765, 9.7404,
20.9215


 146.1360,
120.3041, 179.1234

 9.5271, 5.2272,
12.8759

181.3878,
151.9932, 221.3009

 5.1464, 2.3812,
7.2135

221.8966,
188.8091, 269.6283

 2.3691, 0.8162,
3.5155

268.0276,

 0.8296, 0.0000,

231.1362, 324.5242

1.3635

320.1463,
279.3588, 386.4070

■ 0.0000, 0.0000,
0.1130

■ 0.0000, 0.0000,
0.0000

■ 50.3905, 37.1273,
63.5419

■ 50.3905, 37.1273,
63.5419

■ 47.1399, 31.4334,
59.9676

■ 54.3109, 44.1378,
67.4071

■ 44.5134, 26.9670,
56.6675


■ 58.9360, 52.5363,
71.5742


■ 42.4655, 23.6363,
53.6260


■ 64.3022, 62.3951,
76.0563


■ 40.9424, 21.3340,
50.8249


■ 70.4427, 73.7801,
80.8649


 39.8801, 19.9324,
48.2422


 77.3883, 86.7531,
86.0108

 39.2001, 19.2312,
45.9842

 81.0820, 93.2000,
90.1421

 81.6841, 93.4408,
93.3127

 82.3005, 93.6874,
96.5584

 82.9312, 93.9396,
99.8797

Harmonies

Analogous

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



44.0414, 37.1273, 88.5104



50.3905, 37.1273, 63.5419



52.5205, 37.1273, 38.4331

Triad

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



50.3905, 37.1273, 63.5419



34.5857, 37.1273, 10.8809



24.0968, 37.1273, 68.4046

Complementary

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



50.3905, 37.1273, 63.5419



41.8351, 60.5011, 38.3295

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.



22.3097, 37.1273, 42.4852



50.3905, 37.1273, 63.5419



27.7795, 37.1273, 13.9543

Square

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



50.3905, 37.1273, 63.5419



42.6364, 37.1273, 12.9810



23.5524, 37.1273, 23.7297



28.8372, 37.1273, 91.9705

Rectangle

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



50.3905, 37.1273, 63.5419



51.0397, 37.1273, 25.9928



23.5524, 37.1273, 23.7297



23.1652, 37.1273, 59.4028

Sweetspot

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



50.3917, 37.1290, 63.5427



85.1464, 81.6438, 101.1254



34.3632, 28.6128, 74.2336



18.0138, 17.0864, 21.4722



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.



50.3917, 37.1290, 63.5427



63.7459, 43.0452, 81.0368



45.6347, 35.2262, 38.4930



14.1794, 13.8894, 16.7151



22.8570, 11.2098, 26.9766



1.6131, 0.7885, 2.0214

Inverse Universe

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



50.3917, 37.1290, 63.5427



63.7459, 43.0452, 81.0368



46.2010, 62.2475, 61.3199



14.1794, 13.8894, 16.7151



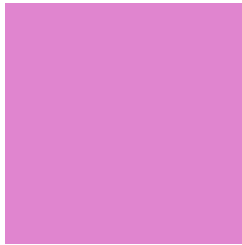
22.8570, 11.2098, 26.9766



1.6131, 0.7885, 2.0214

Previews

White Background



This preview shows how the XYZ color 50.3905, 37.1273, 63.5419 looks on a white background.

Color Contrast Check

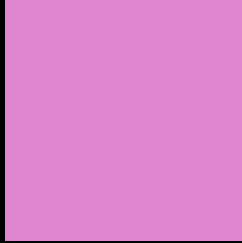
Large Text (above 18pt) WCAG AA × Fail

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 50.3905, 37.1273, 63.5419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

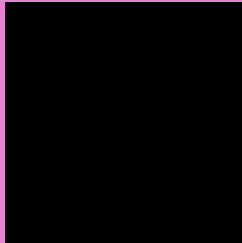
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3905, 37.1273, 63.5419

Background



This preview shows how black text looks on a background with the XYZ color 50.3905, 37.1273, 63.5419.



This preview shows how white text looks on a background with the XYZ color 50.3905, 37.1273,

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

50.3905, 37.1273, 63.5419

Protanopia

38.5648, 37.4271, 79.3203

Deuteranopia

38.1035, 37.3311, 61.0745



Tritanopia

44.8031, 37.2185, 35.8329

Trichromacy



Original Color

50.3905, 37.1273, 63.5419



Protanomaly

41.3513, 36.2379, 73.2218



Deuteranomaly

41.7329, 36.6832, 62.0077



Tritanomaly

46.5333, 37.0278, 44.7389

Monochromacy



Original Color

50.3905, 37.1273, 63.5419



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.4220, 38.0146, 49.9541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3905, 37.1273, 63.5419 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(224, 133, 207)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 207)  
}
```

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(224, 133, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 207) }
```

Border

The CSS property to change the border of an element to XYZ 50.3905, 37.1273, 63.5419 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(224, 133, 207) }
```


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

```
.border{ border-color:rgb(224, 133, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 133, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 207);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3905, 37.1273, 63.5419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 207) }
```

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

```
.background{ background-color: rgb(224,  
133, 207) }
```

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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