

Converting Colors

XYZ(49.0601, 35.3587, 51.9236)

Have a look what the booklet for
XYZ(49.0601, 35.3587, 51.9236)
contains.

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Color

**XYZ(49.1711, 35.3755,
51.8135)**

Conversions

Conversions Part 1

Format	Color
Hex	E67EBC
RGB	230, 126, 188
RGB Percent	90%, 49%, 74%
CMY	0.0980, 0.5059, 0.2627
CMYK	0.00, 0.45, 0.18, 0.10
HSL	324°, 68%, 70%
HSV	324°, 45%, 90%
XYZ	49.1711, 35.3755, 51.8135
YIQ	164.1640, 42.0820, 41.3300

Conversions

Conversions Part 2

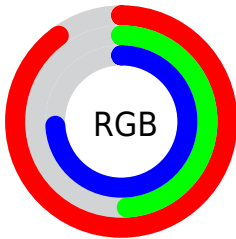
Format	Color
R _Y B	230, 126, 188
Decimal	15105724
CIE Lab	66.04, 47.76, -14.70
CIE LCh	66, 49.973, 342.899
Yxy	35.3755, 0.3606, 0.2594
Android (android.graphics.Color)	4293295804 (0xFFE67EBC)
YUV	164.1640, 11.7511, 57.7382
Hunter-Lab	59.4773, 43.4843, -10.0162

Details

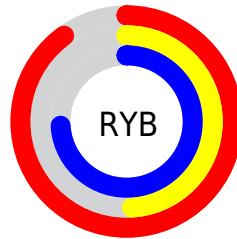
The XYZ color **49.1711, 35.3755, 51.8135** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.9705, 63.8575, 47.0569**, and the grayscale version is **35.2974, 37.1356, 40.4407**.

A 20% lighter version of the original color is **74.0930, 60.8394, 93.4260**, and **23.7690, 15.2850, 24.6192** is the 20% darker color. If you saturate the color by 10%, you get **45.5918, 29.7678, 45.8380**, and if you desaturate by 10%, it is **53.4930, 42.3644, 58.3553**.

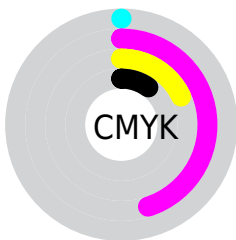
Distribution



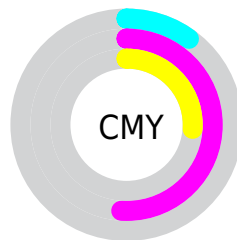
- Red (90%)
- Green (49%)
- Blue (74%)



- Red (90%)
- Yellow (49%)
- Blue (74%)



- Cyan (0%)
- Magenta (45%)
- Yellow (18%)
- Black (10%)





- Cyan (10%)
- Magenta (51%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1711, 35.3755, 51.8135 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 49.1711, 35.3755, 51.8135 by changing the saturation by 10% instead.


 49.1711, 35.3755,
51.8135

 49.1711, 35.3755,
51.8135

373.9213,
326.2227, 410.6526


 34.9703, 23.9523,
36.4752


 88.1447, 68.0671,
94.2799

 23.8064, 15.2982,
24.5088


 113.6483, 90.1042,
122.2451

 15.3140, 9.0290,
15.4958


 143.6501,
116.4481, 155.2564

 9.1278, 4.7601,
9.0176

178.5156,
147.4831, 193.7323

 4.8824, 2.1072,
4.6557

218.6101,
183.5937, 238.0913

 2.2125, 0.6687,
1.9915

264.2990,

 0.7493, 0.0000,

225.1642, 288.7520

0.5501

315.9476,
272.5791, 346.1329

■ 0.0000, 0.0000,
0.0000

■ 49.1711, 35.3755,
51.8135

■ 49.1711, 35.3755,
51.8135

■ 45.5918, 29.7678,
45.8380

■ 53.4930, 42.3644,
58.3553

■ 42.7037, 25.4418,
40.4046

■ 58.5981, 50.8148,
65.4816

■ 40.4537, 22.2927,
35.4899


■ 64.5274, 60.8071,
73.2120


■ 38.7789, 20.1968,
31.0667


■ 71.3184, 72.4139,
81.5646

■ 37.6023, 19.0023,
27.1027

■ 79.0059, 85.7035,
90.5563

 37.1567, 18.6325,
25.3468

 84.6822, 94.8587,
99.2230

 86.1267, 95.4365,
106.8298

 86.4434, 95.5631,
108.4972

Harmonies

Analogous

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



44.2900, 35.3755, 76.8326



49.1711, 35.3755, 51.8135



49.5205, 35.3755, 30.1046

Triad

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



49.1711, 35.3755, 51.8135



30.5406, 35.3755, 10.8546



24.2246, 35.3755, 73.5264

Complementary

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



49.1711, 35.3755, 51.8135



43.9705, 63.8575, 47.0569

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.



21.5544, 35.3755, 48.3687



49.1711, 35.3755, 51.8135



24.8235, 35.3755, 15.6837

Square

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



49.1711, 35.3755, 51.8135



37.9918, 35.3755, 11.1911



21.7562, 35.3755, 27.7168



29.6033, 35.3755, 92.1970

Rectangle

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



49.1711, 35.3755, 51.8135



47.0686, 35.3755, 20.3267



21.7562, 35.3755, 27.7168



23.0185, 35.3755, 65.2194

Sweetspot

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



49.1722, 35.3772, 51.8142



82.4647, 78.4056, 93.6795



37.8088, 28.9178, 78.4525



17.2776, 16.1484, 19.5793



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.



49.1722, 35.3772, 51.8142



57.9902, 38.1942, 58.5849



44.5678, 33.5354, 27.5679



14.7358, 14.5115, 16.8092



21.0979, 10.5734, 14.6766



1.6048, 0.7996, 1.3252

Inverse Universe

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



49.1722, 35.3772, 51.8142



57.9902, 38.1942, 58.5849



49.7676, 66.1764, 77.5839



14.7358, 14.5115, 16.8092



21.0979, 10.5734, 14.6766



1.6048, 0.7996, 1.3252

Previews

White Background



This preview shows how the XYZ color 49.1711, 35.3755, 51.8135 looks on a white background.

Color Contrast Check

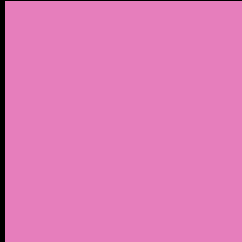
Large Text (above 18pt) WCAG AA × Fail

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 49.1711, 35.3755, 51.8135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

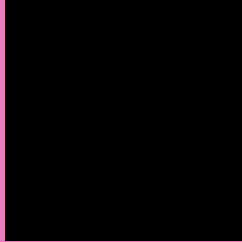
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1711, 35.3755, 51.8135

Background



This preview shows how black text looks on a background with the XYZ color 49.1711, 35.3755, 51.8135.



This preview shows how white text looks on a background with the XYZ color 49.1711, 35.3755,

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

49.1711, 35.3755, 51.8135

Protanopia

36.1886, 35.7025, 66.6119

Deuteranopia

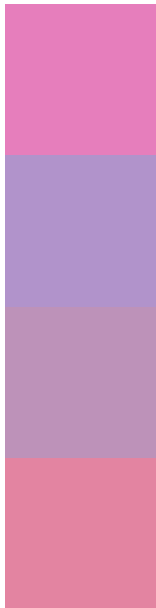
36.3301, 35.6398, 49.7641



Tritanopia

44.8261, 35.3798, 31.2545

Trichromacy



Original Color

49.1711, 35.3755, 51.8135

Protanomaly

39.3447, 34.5263, 61.0905

Deuteranomaly

40.0221, 34.8794, 50.5219

Tritanomaly

46.3628, 35.4066, 38.1088

Monochromacy



Original Color

49.1711, 35.3755, 51.8135

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

39.1882, 35.5212, 44.3260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1711, 35.3755, 51.8135 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(230, 126, 188)` looks like.

```
.text, #text, p{  
    color:rgb(230, 126, 188)  
}
```

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(230, 126, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 126, 188) }
```

Border

The CSS property to change the border of an element to XYZ 49.1711, 35.3755, 51.8135 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(230, 126, 188) }
```


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

```
.border{ border-color:rgb(230, 126, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 126, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 126, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 126, 188);  
box-shadow:4px 4px 4px 4px rgb(230, 126,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1711, 35.3755, 51.8135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 126, 188) }
```

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

```
.background{ background-color: rgb(230,  
126, 188) }
```

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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