

Converting Colors

XYZ(48.9223, 35.8253, 51.9134)

Have a look what the booklet for
XYZ(48.9223, 35.8253, 51.9134)
contains.

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Color

**XYZ(48.9223, 35.8253,
51.9134)**

Conversions

Conversions Part 1

Format	Color
Hex	E481BC
RGB	228, 129, 188
RGB Percent	89%, 51%, 74%
CMY	0.1059, 0.4941, 0.2627
CMYK	0.00, 0.43, 0.18, 0.11
HSL	324°, 65%, 70%
HSV	324°, 43%, 89%
XYZ	48.9223, 35.8253, 51.9134
YIQ	165.3270, 40.0650, 39.3370

Conversions

Conversions Part 2

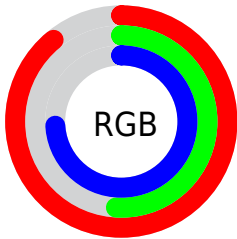
Format	Color
R _Y B	228, 129, 188
Decimal	14975420
CIE Lab	66.39, 45.59, -14.20
CIE LCh	66, 47.753, 342.702
Yxy	35.8253, 0.3580, 0.2621
Android (android.graphics.Color)	4293165500 (0xFFE481BC)
YUV	165.3270, 11.1778, 54.9642
Hunter-Lab	59.8542, 41.1534, -9.5261

Details

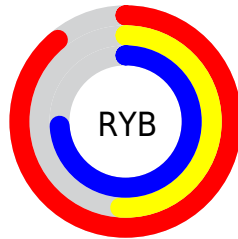
The XYZ color **48.9223, 35.8253, 51.9134** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.9597, 63.0197, 47.3861**, and the grayscale version is **35.8566, 37.7240, 41.0814**.

A 20% lighter version of the original color is **74.7096, 62.0726, 93.6315**, and **23.7522, 15.5761, 24.6763** is the 20% darker color. If you saturate the color by 10%, you get **45.2857, 30.0907, 45.9568**, and if you desaturate by 10%, it is **53.2944, 42.9286, 58.4287**.

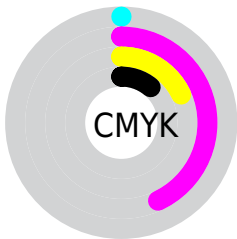
Distribution



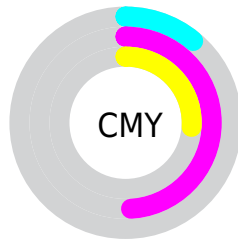
- Red (89%)
- Green (51%)
- Blue (74%)



- Red (89%)
- Yellow (51%)
- Blue (74%)



- Cyan (0%)
- Magenta (43%)
- Yellow (18%)
- Black (11%)





- Cyan (11%)
- Magenta (49%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9223, 35.8253, 51.9134 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 48.9223, 35.8253, 51.9134 by changing the saturation by 10% instead.


 48.9223, 35.8253,
51.9134


 48.9223, 35.8253,
51.9134


372.9584,
328.1963, 411.0496


 34.7721, 24.2993,
36.5543


 87.7775, 68.7623,
94.4288

 23.6531, 15.5558,
24.5695


 113.2132, 90.9422,
122.4221

 15.1998, 9.2104,
15.5405


 143.1414,
117.4421, 155.4640

 9.0470, 4.8787,
9.0488

177.9276,
148.6464, 193.9729

 4.8292, 2.1762,
4.6758

217.9370,
184.9396, 238.3674

 2.1811, 0.7070,
2.0029

263.5350,

 0.7328, 0.0000,

226.7061, 289.0659

0.5571

315.0870,
274.3302, 346.4872

■ 0.0000, 0.0000,
0.0000

■ 48.9223, 35.8253,
51.9134

■ 48.9223, 35.8253,
51.9134

■ 45.2857, 30.0907,
45.9568

■ 53.2944, 42.9286,
58.4287

■ 42.3352, 25.6291,
40.5356

■ 58.4410, 51.4778,
65.5203

■ 40.0199, 22.3404,
35.6272


■ 64.4017, 61.5504,
73.2072


■ 38.2802, 20.1072,
31.2056

■ 71.2128, 73.2169,
81.5068


■ 37.0439, 18.7870,
27.2404

■ 78.9081, 86.5431,
90.4357

 36.4302, 18.2681,
24.8518

 83.9747, 94.5019,
98.8279

 85.4035, 95.0735,
106.3522

 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.



44.2424, 35.8253, 75.6497



48.9223, 35.8253, 51.9134



49.2862, 35.8253, 30.9809

Triad

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



48.9223, 35.8253, 51.9134



31.1188, 35.8253, 11.8399



24.9207, 35.8253, 72.2336

Complementary

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



48.9223, 35.8253, 51.9134



43.9597, 63.0197, 47.3861

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.



22.3314, 35.8253, 48.3134



48.9223, 35.8253, 51.9134



25.5586, 35.8253, 16.6509

Square

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



48.9223, 35.8253, 51.9134



38.3008, 35.8253, 12.2125



22.5473, 35.8253, 28.4405



30.1276, 35.8253, 89.9157

Rectangle

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



48.9223, 35.8253, 51.9134



46.9675, 35.8253, 21.3796



22.5473, 35.8253, 28.4405



23.7502, 35.8253, 64.3568

Sweetspot

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



48.9234, 35.8270, 51.9141



83.2892, 79.8100, 94.7090



38.1320, 29.6947, 77.1213



17.4404, 16.4249, 19.7849



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.



48.9234, 35.8270, 51.9141



58.8410, 39.5144, 60.0444



44.4995, 34.0574, 28.6181



14.7357, 14.5115, 16.8086



21.0961, 10.5727, 14.6670



1.6046, 0.7996, 1.3245

Inverse Universe

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



48.9234, 35.8270, 51.9141



58.8410, 39.5144, 60.0444



49.4659, 65.2221, 76.3813



14.7357, 14.5115, 16.8086



21.0961, 10.5727, 14.6670



1.6046, 0.7996, 1.3245

Previews

White Background



This preview shows how the XYZ color 48.9223, 35.8253, 51.9134 looks on a white background.

Color Contrast Check

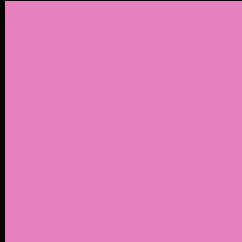
Large Text (above 18pt) WCAG AA × Fail

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 48.9223, 35.8253, 51.9134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

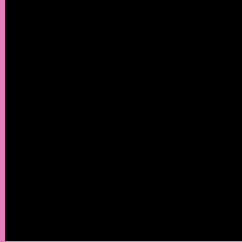
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9223, 35.8253, 51.9134

Background



This preview shows how black text looks on a background with the XYZ color 48.9223, 35.8253, 51.9134.



This preview shows how white text looks on a background with the XYZ color 48.9223, 35.8253,

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

48.9223, 35.8253, 51.9134

Protanopia

36.4739, 36.1346, 65.3739

Deuteranopia

36.9226, 36.1974, 49.8405



Tritanopia

44.9526, 35.8452, 32.1533

Trichromacy



Original Color

48.9223, 35.8253, 51.9134

Protanomaly

39.6502, 35.1769, 59.9584

Deuteranomaly

40.4259, 35.3174, 50.5852

Tritanomaly

46.0980, 35.6664, 38.6371

Monochromacy



Original Color

48.9223, 35.8253, 51.9134

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.5101, 36.1650, 44.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9223, 35.8253, 51.9134 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, 129, 188)` looks like.

```
.text, #text, p{  
    color:rgb(228, 129, 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(228, 129, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 129, 188) }
```

Border

The CSS property to change the border of an element to XYZ 48.9223, 35.8253, 51.9134 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, 129, 188) }
```


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

```
.border{ border-color:rgb(228, 129, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 129, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 129, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 129, 188);  
box-shadow:4px 4px 4px 4px rgb(228, 129,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9223, 35.8253, 51.9134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 129, 188) }
```

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

```
.background{ background-color: rgb(228,  
129, 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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