

Converting Colors

XYZ(48.3180, 36.2857, 54.1684)

Have a look what the booklet for
XYZ(48.3180, 36.2857, 54.1684)
contains.

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Color

**XYZ(48.3334, 36.2688,
54.3223)**

Conversions

Conversions Part 1

Format	Color
Hex	DF85C0
RGB	223, 133, 192
RGB Percent	87%, 52%, 75%
CMY	0.1255, 0.4784, 0.2471
CMYK	0.00, 0.40, 0.14, 0.13
HSL	321°, 58%, 70%
HSV	321°, 40%, 87%
XYZ	48.3334, 36.2688, 54.3223
YIQ	166.6360, 34.7010, 37.4290

Conversions

Conversions Part 2

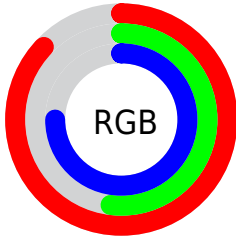
Format	Color
R _Y B	223, 133, 192
Decimal	14648768
CIE Lab	66.72, 42.52, -16.00
CIE LCh	67, 45.429, 339.384
Yxy	36.2688, 0.3479, 0.2611
Android (android.graphics.Color)	4292838848 (0xFFDF85C0)
YUV	166.6360, 12.5045, 49.4312
Hunter-Lab	60.2236, 37.8668, -11.3237

Details

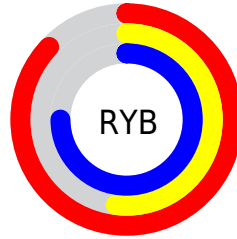
The XYZ color **48.3334, 36.2688, 54.3223** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **42.7630, 60.4434, 44.5375**, and the grayscale version is **36.4840, 38.3840, 41.8002**.

A 20% lighter version of the original color is **76.1665, 64.0038, 97.1465**, and **23.2558, 15.8268, 25.8739** is the 20% darker color. If you saturate the color by 10%, you get **44.7693, 30.4669, 49.0442**, and if you desaturate by 10%, it is **52.5922, 43.3879, 60.0519**.

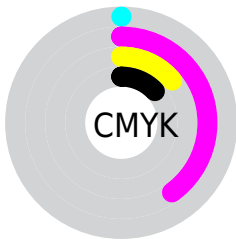
Distribution



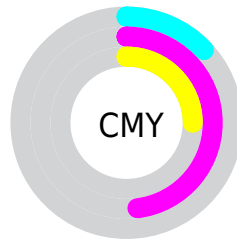
- Red (87%)
- Green (52%)
- Blue (75%)



- Red (87%)
- Yellow (52%)
- Blue (75%)



- Cyan (0%)
- Magenta (40%)
- Yellow (14%)
- Black (13%)





- Cyan (13%)
- Magenta (48%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3334, 36.2688, 54.3223 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 48.3334, 36.2688, 54.3223 by changing the saturation by 10% instead.


 48.3334, 36.2688,
54.3223


 48.3334, 36.2688,
54.3223

370.6728,
330.1339, 420.5472


 34.3033, 24.6419,
38.4645


 86.9073, 69.4468,
98.0085

 23.2907, 15.8104,
26.0387


 112.1818, 91.7666,
126.6739

 14.9302, 9.3901,
16.6266


 141.9352,
118.4194, 160.4456

 8.8564, 4.9965,
9.8095

176.5329,
149.7898, 199.7421

 4.7040, 2.2452,
5.1689

216.3401,
186.2620, 244.9820

 2.1076, 0.7445,
2.2862

261.7222,

 0.6933, 0.0000,

228.2205, 296.5838

0.7235

313.0447,
276.0497, 354.9660

■ 0.0000, 0.0000,
0.0000

■ 48.3334, 36.2688,
54.3223

■ 48.3334, 36.2688,
54.3223

■ 44.7693, 30.4669,
49.0442

■ 52.5922, 43.3879,
60.0519

■ 41.8545, 25.8942,
44.1980

■ 57.5808, 51.8950,
66.2469

■ 39.5434, 22.4598,
39.7655


■ 63.3357, 61.8617,
72.9230


■ 37.7824, 20.0579,
35.7255


■ 69.8902, 73.3531,
80.0942


■ 36.5081, 18.5628,
32.0532


■ 77.2752, 86.4305,
87.7740

 35.6344, 17.7692,
28.8214

 81.6376, 93.3865,
94.6810

 82.7912, 93.8479,
100.7561

 83.9936, 94.3289,
107.0879

 84.2417, 94.4281,
108.3942

Harmonies

Analogous

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



43.5267, 36.2688, 76.4246



48.3334, 36.2688, 54.3223



49.1743, 36.2688, 33.6517

Triad

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



48.3334, 36.2688, 54.3223



32.3683, 36.2688, 12.7350



25.2587, 36.2688, 68.5987

Complementary

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



48.3334, 36.2688, 54.3223



42.7630, 60.4434, 44.5375

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.



23.0386, 36.2688, 45.9685



48.3334, 36.2688, 54.3223



26.7698, 36.2688, 16.9161

Square

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



48.3334, 36.2688, 54.3223



39.3227, 36.2688, 13.6551



23.5525, 36.2688, 27.6388



30.0383, 36.2688, 86.3835

Rectangle

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



48.3334, 36.2688, 54.3223



47.2747, 36.2688, 23.7184



23.5525, 36.2688, 27.6388



24.2191, 36.2688, 61.0499

Sweetspot

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



48.3345, 36.2705, 54.3230



84.4023, 81.3462, 97.2071



36.8128, 29.8913, 73.6420



17.8381, 17.0161, 20.5466



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.



48.3345, 36.2705, 54.3230



61.5625, 42.7216, 67.8442



44.1657, 34.6029, 32.3702



14.0840, 13.8512, 16.2123



21.0074, 10.4700, 17.2366



1.4977, 0.7424, 1.4139

Inverse Universe

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



48.3345, 36.2705, 54.3230



61.5625, 42.7216, 67.8442



47.4470, 62.3170, 69.2032



14.0840, 13.8512, 16.2123



21.0074, 10.4700, 17.2366



1.4977, 0.7424, 1.4139

Previews

White Background



This preview shows how the XYZ color 48.3334, 36.2688, 54.3223 looks on a white background.

Color Contrast Check

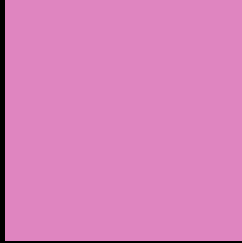
Large Text (above 18pt) WCAG AA × Fail

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 48.3334, 36.2688, 54.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

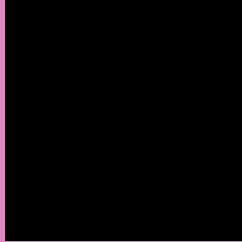
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3334, 36.2688, 54.3223

Background



This preview shows how black text looks on a background with the XYZ color 48.3334, 36.2688, 54.3223.



This preview shows how white text looks on a background with the XYZ color 48.3334, 36.2688,

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

48.3334, 36.2688, 54.3223

Protanopia

36.8972, 36.5824, 66.7444

Deuteranopia

37.3041, 36.5996, 52.1120



Tritanopia

44.1058, 36.2222, 34.3727

Trichromacy



Original Color

48.3334, 36.2688, 54.3223



Protanomaly

39.8702, 35.7230, 61.9206



Deuteranomaly

40.5852, 36.0516, 52.9637



Tritanomaly

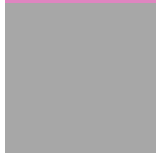
45.5787, 36.1826, 41.1409

Monochromacy



Original Color

48.3334, 36.2688, 54.3223



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.0513, 37.1421, 46.1325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3334, 36.2688, 54.3223 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(223, 133, 192)` looks like.

```
.text, #text, p{  
    color:rgb(223, 133, 192)  
}
```

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(223, 133, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 133, 192) }
```

Border

The CSS property to change the border of an element to XYZ 48.3334, 36.2688, 54.3223 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(223, 133, 192) }
```


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

```
.border{ border-color:rgb(223, 133, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 133, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 133, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 133, 192);  
box-shadow:4px 4px 4px 4px rgb(223, 133,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3334, 36.2688, 54.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 133, 192) }
```

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

```
.background{ background-color: rgb(223,  
133, 192) }
```

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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