

Converting Colors

XYZ(48.8077, 34.4718, 40.9871)

Have a look what the booklet for
XYZ(48.8077, 34.4718, 40.9871)
contains.

XYZ(48.8303, 34.5064, 41.1326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.8303, 34.5064,
41.1326)**

Conversions

Conversions Part 1

Format	Color
Hex	ED79A8
RGB	237, 121, 168
RGB Percent	93%, 47%, 66%
CMY	0.0706, 0.5255, 0.3412
CMYK	0.00, 0.49, 0.29, 0.07
HSL	336°, 76%, 70%
HSV	336°, 49%, 93%
XYZ	48.8303, 34.5064, 41.1326
YIQ	161.0420, 54.0490, 39.2090

Conversions

Conversions Part 2

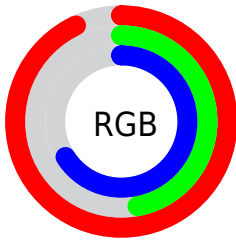
Format	Color
R_{YB}	237, 121, 168
Decimal	15563176
CIE _{Lab}	65.36, 49.75, -4.30
CIE _{LCh}	65, 49.940, 355.062
Y _{xy}	34.5064, 0.3923, 0.2772
Android (android.graphics.Color)	4293753256 (0xFFED79A8)
YUV	161.0420, 3.4303, 66.6152
Hunter-Lab	58.7421, 45.5821, -0.3967

Details

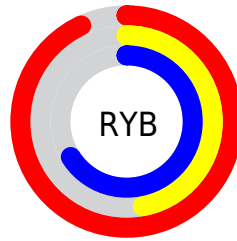
The XYZ color **48.8303, 34.5064, 41.1326** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.4653, 68.3519, 59.4102**, and the grayscale version is **33.8638, 35.6274, 38.7982**.

A 20% lighter version of the original color is **70.0846, 57.6384, 77.2435**, and **23.5196, 14.7402, 18.1285** is the 20% darker color. If you saturate the color by 10%, you get **45.0529, 28.9406, 33.7410**, and if you desaturate by 10%, it is **53.4595, 41.5473, 49.5114**.

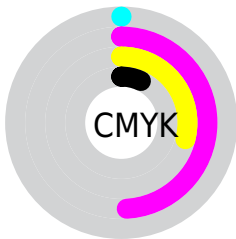
Distribution



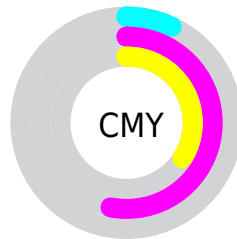
- Red (93%)
- Green (47%)
- Blue (66%)



- Red (93%)
- Yellow (47%)
- Blue (66%)



- Cyan (0%)
- Magenta (49%)
- Yellow (29%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8303, 34.5064, 41.1326 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 48.8303, 34.5064, 41.1326 by changing the saturation by 10% instead.


 48.8303, 34.5064,
41.1326


 48.8303, 34.5064,
41.1326

372.6019,
322.3842, 366.5675


 34.6989, 23.2829,
28.1022


 87.6416, 66.7204,
78.1410

 23.5964, 14.8025,
18.1630


 113.0522, 88.4797,
102.9561

 15.1576, 8.6809,
10.8964


 142.9532,
114.5197, 132.5365

 9.0171, 4.5336,
5.8839

177.7099,
145.2248, 167.3009

 4.8096, 1.9763,
2.7070

217.6878,
180.9794, 207.6676

 2.1696, 0.5937,
0.9469

263.2522,

 0.7266, 0.0000,

222.1679, 254.0552

0.0000

314.7685,
269.1747, 306.8824

■ 0.0000, 0.0000,
0.0000

■ 48.8303, 34.5064,
41.1326

■ 48.8303, 34.5064,
41.1326

■ 45.0529, 28.9406,
33.7410

■ 53.4595, 41.5473,
49.5114

■ 42.0670, 24.7375,
27.2931

■ 58.9892, 50.1547,
58.9140

■ 39.8087, 21.7766,
21.7447

■ 65.4679, 60.4186,
69.3771

■ 38.2020, 19.9137,
17.0455

■ 72.9395, 72.4205,
80.9351

■ 37.1339, 18.9316,
13.1315

■ 81.4451, 86.2367,
93.6206

■ 37.0373, 18.8495,
12.7573

■ 88.3494, 96.5903,
106.5732

■ 88.7351, 96.7446,
108.6045

Harmonies

Analogous

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



45.6761, 34.5064, 65.5552



48.8303, 34.5064, 41.1326



47.1967, 34.5064, 23.0086

Triad

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



48.8303, 34.5064, 41.1326



27.2131, 34.5064, 11.6848



25.4099, 34.5064, 80.9998

Complementary

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



48.8303, 34.5064, 41.1326



47.4653, 68.3519, 59.4102

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.



21.6722, 34.5064, 57.2611



48.8303, 34.5064, 41.1326



22.6001, 34.5064, 18.9583

Square

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



48.8303, 34.5064, 41.1326



34.0182, 34.5064, 10.0969



20.7250, 34.5064, 34.2223



31.6060, 34.5064, 93.4045

Rectangle

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



48.8303, 34.5064, 41.1326



43.7226, 34.5064, 15.7240



20.7250, 34.5064, 34.2223



23.8628, 34.5064, 73.7351

Sweetspot

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



48.8313, 34.5081, 41.1333



80.5890, 76.5972, 87.0651



43.0287, 30.5674, 83.7532



16.8615, 15.7737, 18.0302



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.



48.8313, 34.5081, 41.1333



53.0834, 34.0067, 39.6045



46.4492, 35.5300, 22.5011



15.3184, 15.1552, 16.9619



20.2821, 10.3155, 7.2867



1.6392, 0.8286, 0.8173

Inverse Universe

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



48.8313, 34.5081, 41.1333



53.0834, 34.0067, 39.6045



50.7327, 65.3010, 90.0514



15.3184, 15.1552, 16.9619



20.2821, 10.3155, 7.2867



1.6392, 0.8286, 0.8173

Previews

White Background



This preview shows how the XYZ color 48.8303, 34.5064, 41.1326 looks on a white background.

Color Contrast Check

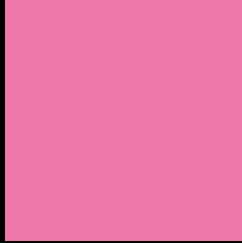
Large Text (above 18pt) WCAG AA × Fail

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 48.8303, 34.5064, 41.1326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

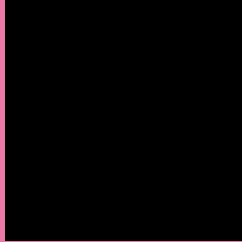
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8303, 34.5064, 41.1326

Background



This preview shows how black text looks on a background with the XYZ color 48.8303, 34.5064, 41.1326.



This preview shows how white text looks on a background with the XYZ color 48.8303, 34.5064,

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

48.8303, 34.5064, 41.1326

Protanopia

34.5797, 34.8907, 54.2022

Deuteranopia

35.3108, 34.6041, 39.0006



Tritanopia

45.9650, 34.4487, 27.5192

Trichromacy



Original Color

48.8303, 34.5064, 41.1326



Protanomaly

38.2011, 33.7370, 49.2982



Deuteranomaly

39.1388, 33.7621, 39.5759



Tritanomaly

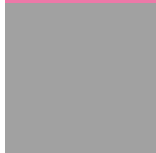
46.9399, 34.4675, 32.1959

Monochromacy



Original Color

48.8303, 34.5064, 41.1326



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

37.9660, 34.0569, 39.6946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8303, 34.5064, 41.1326 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(237, 121, 168)` looks like.

```
.text, #text, p{  
    color:rgb(237, 121, 168)  
}
```

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(237, 121, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 121, 168) }
```

Border

The CSS property to change the border of an element to XYZ 48.8303, 34.5064, 41.1326 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(237, 121, 168) }
```


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

```
.border{ border-color:rgb(237, 121, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 121, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 121, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 121, 168);  
box-shadow:4px 4px 4px 4px rgb(237, 121,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8303, 34.5064, 41.1326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 121, 168) }
```

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

```
.background{ background-color: rgb(237,  
121, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor