

Converting Colors

XYZ(46.6602, 34.4405, 51.1978)

Have a look what the booklet for
XYZ(46.6602, 34.4405, 51.1978)
contains.

XYZ(46.8130, 34.5558, 51.2163)	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(46.8130, 34.5558,
51.2163)**

Conversions

Conversions Part 1

Format	Color
Hex	DE80BB
RGB	222, 128, 187
RGB Percent	87%, 50%, 73%
CMY	0.1294, 0.4980, 0.2667
CMYK	0.00, 0.42, 0.16, 0.13
HSL	322°, 59%, 69%
HSV	322°, 42%, 87%
XYZ	46.8130, 34.5558, 51.2163
YIQ	162.8320, 37.0850, 38.2770

Conversions

Conversions Part 2

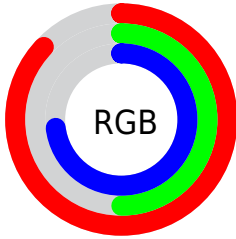
Format	Color
RYB	222, 128, 187
Decimal	14581947
CIELab	65.40, 43.99, -15.19
CIELCh	65, 46.545, 340.947
Yxy	34.5558, 0.3531, 0.2606
Android (android.graphics.Color)	4292772027 (0xFFDE80BB)
YUV	162.8320, 11.9148, 51.8903
Hunter-Lab	58.7842, 39.2768, -10.5081

Details

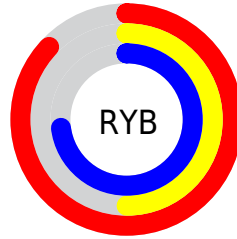
The XYZ color **46.8130, 34.5558, 51.2163** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **41.6358, 59.4771, 43.9388**, and the grayscale version is **34.6679, 36.4733, 39.7195**.

A 20% lighter version of the original color is **74.3511, 61.5980, 92.7649**, and **22.4046, 14.8894, 24.2474** is the 20% darker color. If you saturate the color by 10%, you get **43.3683, 29.0417, 45.8269**, and if you desaturate by 10%, it is **50.9442, 41.3604, 57.0866**.

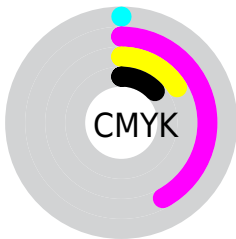
Distribution



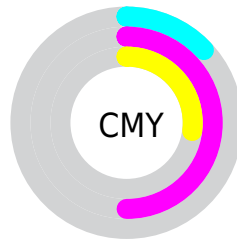
- Red (87%)
- Green (50%)
- Blue (73%)



- Red (87%)
- Yellow (50%)
- Blue (73%)



- Cyan (0%)
- Magenta (42%)
- Yellow (16%)
- Black (13%)





- Cyan (13%)
- Magenta (50%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8130, 34.5558, 51.2163 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 46.8130, 34.5558, 51.2163 by changing the saturation by 10% instead.


 46.8130, 34.5558,
51.2163

 46.8130, 34.5558,
51.2163

364.7290,
322.6033, 408.2741

 33.0952, 23.3209,
36.0029


 84.6549, 66.7971,
93.3892

 22.3590, 14.8306,
24.1467


 109.5096, 88.5722,
121.1857

 14.2390, 8.7006,
15.2293


 138.8074,
114.6296, 154.0137

 8.3699, 4.5464,
8.8320

172.9135,
145.3535, 192.2916

 4.3863, 1.9837,
4.5365

212.1934,
181.1285, 236.4381

 1.9229, 0.5980,
1.9240

257.0124,

 0.5901, 0.0000,

222.3388, 286.8717

0.5080

307.7358,
269.3690, 344.0108

■ 0.0000, 0.0000,
0.0000

■ 46.8130, 34.5558,
51.2163

■ 46.8130, 34.5558,
51.2163

■ 43.3683, 29.0417,
45.8269

■ 50.9442, 41.3604,
57.0866

■ 40.5643, 24.7293,
40.8980

■ 55.7975, 49.5268,
63.4526

■ 38.3544, 21.5265,
36.4099


■ 61.4098, 59.1269,
70.3311


■ 36.6840, 19.3252,
32.3402

■ 67.8143, 70.2263,
77.7371


■ 35.4875, 17.9958,
28.6623


■ 75.0425, 82.8862,
85.6847

 34.8092, 17.4036,
26.0798

 81.1120, 93.1407,
93.5170

 82.3453, 93.6341,
100.0118

 83.6351, 94.1500,
106.8036

 83.9344, 94.2697,
108.3798

Harmonies

Analogous

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



42.1767, 34.5558, 73.5740



46.8130, 34.5558, 51.2163



47.4213, 34.5558, 30.9550

Triad

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



46.8130, 34.5558, 51.2163



30.4241, 34.5558, 11.5405



23.9277, 34.5558, 67.8765

Complementary

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



46.8130, 34.5558, 51.2163



41.6358, 59.4771, 43.9388

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.



21.6100, 34.5558, 45.1912



46.8130, 34.5558, 51.2163



25.0012, 34.5558, 15.8419

Square

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



46.8130, 34.5558, 51.2163



37.2986, 34.5558, 12.1747



21.9738, 34.5558, 26.6804



28.7594, 34.5558, 85.2594

Rectangle

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



46.8130, 34.5558, 51.2163



45.3782, 34.5558, 21.4715



21.9738, 34.5558, 26.6804



22.8611, 34.5558, 60.3453

Sweetspot

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



46.8140, 34.5574, 51.2170



83.4472, 79.8732, 95.5410



35.9009, 28.4445, 72.7059



17.4795, 16.4405, 19.9908



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.



46.8140, 34.5574, 51.2170



59.7778, 40.3988, 63.4063



42.6178, 32.8789, 29.1196



14.0673, 13.8445, 16.1244



20.7313, 10.3595, 15.7828



1.4799, 0.7352, 1.3198

Inverse Universe

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



46.8140, 34.5574, 51.2170



59.7778, 40.3988, 63.4063



46.5911, 61.4592, 70.0331



14.0673, 13.8445, 16.1244



20.7313, 10.3595, 15.7828



1.4799, 0.7352, 1.3198

Previews

White Background



This preview shows how the XYZ color 46.8130, 34.5558, 51.2163 looks on a white background.

Color Contrast Check

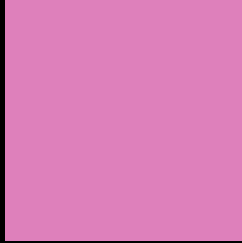
Large Text (above 18pt) WCAG AA × Fail

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 46.8130, 34.5558, 51.2163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

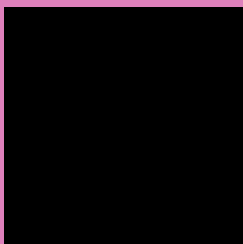
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8130, 34.5558, 51.2163

Background



This preview shows how black text looks on a background with the XYZ color 46.8130, 34.5558, 51.2163.



This preview shows how white text looks on a background with the XYZ color 46.8130, 34.5558,

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

46.8130, 34.5558, 51.2163

Protanopia

35.1735, 34.7299, 63.8812

Deuteranopia

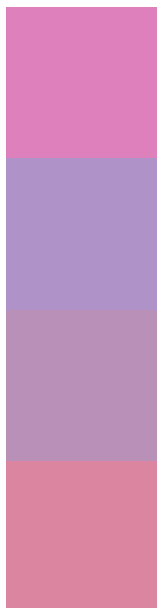
35.4747, 34.7126, 49.0865



Tritanopia

42.9059, 34.5891, 31.6091

Trichromacy



Original Color

46.8130, 34.5558, 51.2163

Protanomaly

38.1598, 33.7266, 59.1422

Deuteranomaly

38.7847, 34.0258, 49.8709

Tritanomaly

44.0340, 34.4083, 38.0388

Monochromacy



Original Color

46.8130, 34.5558, 51.2163

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.1199, 34.9816, 43.7727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8130, 34.5558, 51.2163 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(222, 128, 187)` looks like.

```
.text, #text, p{  
    color:rgb(222, 128, 187)  
}
```

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(222, 128, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 128, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.8130, 34.5558, 51.2163 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(222, 128, 187) }
```


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

```
.border{ border-color:rgb(222, 128, 187) }
```

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

Here you see how a box with a 4 pixel rgb(222, 128, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 128, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 128, 187);  
box-shadow:4px 4px 4px 4px rgb(222, 128,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8130, 34.5558, 51.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 128, 187) }
```

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

```
.background{ background-color: rgb(222,  
128, 187) }
```

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