

Converting Colors

XYZ(41.4468, 31.7849, 46.8440)

Have a look what the booklet for
XYZ(41.4468, 31.7849, 46.8440)
contains.

XYZ(41.5880, 31.9584, 46.6245)	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(41.5880, 31.9584,
46.6245)**

Conversions

Conversions Part 1

Format	Color
Hex	CF80B3
RGB	207, 128, 179
RGB Percent	81%, 50%, 70%
CMY	0.1882, 0.4980, 0.2980
CMYK	0.00, 0.38, 0.14, 0.19
HSL	321°, 45%, 66%
HSV	321°, 38%, 81%
XYZ	41.5880, 31.9584, 46.6245
YIQ	157.4350, 30.7130, 32.6090

Conversions

Conversions Part 2

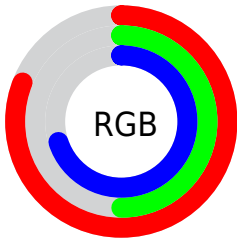
Format	Color
R_{YB}	207, 128, 179
Decimal	13598899
CIE _{Lab}	63.31, 37.74, -14.01
CIE _{LCh}	63, 40.257, 339.637
Yxy	31.9584, 0.3461, 0.2659
Android (android.graphics.Color)	4291788979 (0xFFCF80B3)
YUV	157.4350, 10.6315, 43.4685
Hunter-Lab	56.5318, 32.3842, -9.3271

Details

The XYZ color **41.5880, 31.9584, 46.6245** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.2171, 51.6161, 39.4561**, and the grayscale version is **32.1885, 33.8648, 36.8788**.

A 20% lighter version of the original color is **72.9633, 60.7141, 86.4707**, and **19.1823, 13.3934, 21.3128** is the 20% darker color. If you saturate the color by 10%, you get **38.4360, 26.8103, 42.0097**, and if you desaturate by 10%, it is **45.3321, 38.2268, 51.6322**.

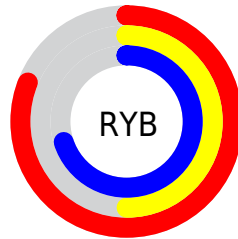
Distribution



Red (81%)

Green (50%)

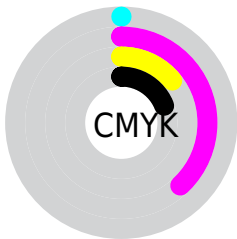
Blue (70%)



Red (81%)

Yellow (50%)

Blue (70%)

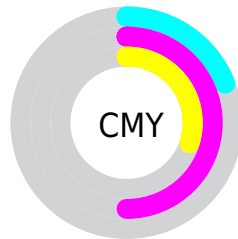


Cyan (0%)

Magenta (38%)

Yellow (14%)

Black (19%)



Cyan (19%)

Magenta (50%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5880, 31.9584, 46.6245 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 41.5880, 31.9584, 46.6245 by changing the saturation by 10% instead.

41.5880, 31.9584,
46.6245

41.5880, 31.9584,
46.6245

343.7929,
310.9297, 389.6640

28.9685, 21.3297,
32.3867

76.8448, 62.7459,
86.4970

19.2012, 13.3652,
21.3898

100.2128, 83.6735,
112.9687

11.9206, 7.6805,
13.2152

127.8944,
108.8028, 144.3554

6.7614, 3.8912,
7.4444

160.2548,
138.5183, 181.0758

3.3584, 1.6129,
3.6589

197.6596,
173.2043, 223.5483

1.3460, 0.3663,
1.4402

240.4739,

0.2172, 0.0000,

213.2453, 272.1915

0.1727

289.0633,
259.0257, 327.4238

■ 0.0000, 0.0000,
0.0000

■ 41.5880, 31.9584,
46.6245

■ 41.5880, 31.9584,
46.6245

■ 38.4360, 26.8103,
42.0097

■ 45.3321, 38.2268,
51.6322

■ 35.8390, 22.7102,
37.7714

■ 49.6970, 45.6729,
57.0443

■ 33.7599, 19.5848,
33.8944


■ 54.7127, 54.3557,
62.8739


■ 32.1556, 17.3488,
30.3614


■ 60.4065, 64.3287,
69.1330


■ 30.9757, 15.9023,
27.1522


■ 66.8041, 75.6424,
75.8330


 30.1453, 15.0968,
24.2387

 73.9298, 88.3445,
82.9844

 30.0096, 14.9764,
23.7281

 75.8260, 90.5190,
88.6043

 76.8806, 90.9408,
94.1577

 77.9792, 91.3802,
99.9425

Harmonies

Analogous

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



37.7486, 31.9584, 64.2373



41.5880, 31.9584, 46.6245



42.2314, 31.9584, 29.9014

Triad

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



41.5880, 31.9584, 46.6245



28.6141, 31.9584, 12.4408



22.8381, 31.9584, 58.3162

Complementary

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



41.5880, 31.9584, 46.6245



37.2171, 51.6161, 39.4561

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.



20.9763, 31.9584, 40.2003



41.5880, 31.9584, 46.6245



24.0310, 31.9584, 16.0896

Square

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



41.5880, 31.9584, 46.6245



34.2647, 31.9584, 13.2050



21.3845, 31.9584, 25.1611



26.7923, 31.9584, 72.2954

Rectangle

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



41.5880, 31.9584, 46.6245



40.6903, 31.9584, 21.7043



21.3845, 31.9584, 25.1611



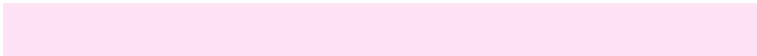
21.9702, 31.9584, 52.3156

Sweetspot

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



41.5890, 31.9599, 46.6252



85.1857, 82.7669, 97.9182



32.6258, 26.9781, 62.5198



17.9930, 17.2989, 20.6815



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.



41.5890, 31.9599, 46.6252



62.3495, 44.1766, 68.4734



38.1751, 30.5943, 28.6479



12.1255, 11.9349, 13.9365



18.9537, 9.4543, 15.1942



1.0968, 0.5434, 1.0443

Inverse Universe

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



41.5890, 31.9599, 46.6252



62.3495, 44.1766, 68.4734



41.0833, 53.1626, 59.8157



12.1255, 11.9349, 13.9365



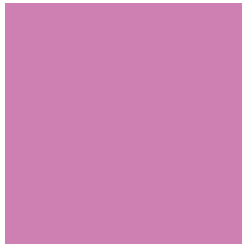
18.9537, 9.4543, 15.1942



1.0968, 0.5434, 1.0443

Previews

White Background



This preview shows how the XYZ color 41.5880, 31.9584, 46.6245 looks on a white background.

Color Contrast Check

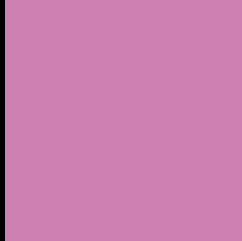
Large Text (above 18pt) WCAG AA × Fail

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 41.5880, 31.9584, 46.6245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

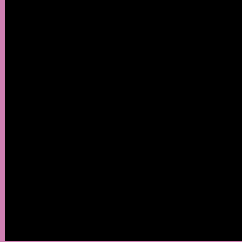
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.5880, 31.9584, 46.6245

Background



This preview shows how black text looks on a background with the XYZ color 41.5880, 31.9584, 46.6245.



This preview shows how white text looks on a background with the XYZ color 41.5880, 31.9584,

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

41.5880, 31.9584, 46.6245

Protanopia

32.4063, 32.2362, 56.1440

Deuteranopia

32.7448, 32.1769, 45.0424



Tritanopia

38.4034, 32.0688, 30.9539

Trichromacy



Original Color

41.5880, 31.9584, 46.6245



Protanomaly

34.7337, 31.4260, 52.3793



Deuteranomaly

35.4140, 31.7107, 45.3286



Tritanomaly

39.2389, 31.7742, 35.9632

Monochromacy



Original Color

41.5880, 31.9584, 46.6245



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

34.7496, 32.3883, 40.0174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5880, 31.9584, 46.6245 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(207, 128, 179)` looks like.

```
.text, #text, p{  
    color:rgb(207, 128, 179)  
}
```

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(207, 128, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 128, 179) }
```

Border

The CSS property to change the border of an element to XYZ 41.5880, 31.9584, 46.6245 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(207, 128, 179) }
```


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

```
.border{ border-color:rgb(207, 128, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 128, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 128, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 128, 179);  
box-shadow:4px 4px 4px 4px rgb(207, 128,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5880, 31.9584, 46.6245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 128, 179) }
```

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

```
.background{ background-color: rgb(207,  
128, 179) }
```

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