

Converting Colors

XYZ(49.4651, 40.7494, 51.5982)

Have a look what the booklet for
XYZ(49.4651, 40.7494, 51.5982)
contains.

XYZ(49.2845, 40.5735, 51.6883)	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(49.2845, 40.5735,
51.6883)**

Conversions

Conversions Part 1

Format	Color
Hex	DC96BA
RGB	220, 150, 186
RGB Percent	86%, 59%, 73%
CMY	0.1373, 0.4117, 0.2706
CMYK	0.00, 0.32, 0.15, 0.14
HSL	329°, 50%, 73%
HSV	329°, 32%, 86%
XYZ	49.2845, 40.5735, 51.6883
YIQ	175.0340, 30.1640, 26.0360

Conversions

Conversions Part 2

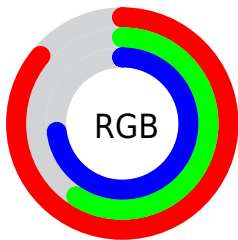
Format	Color
R _Y B	220, 150, 186
Decimal	14456506
CIE Lab	69.88, 31.54, -7.96
CIE LCh	70, 32.525, 345.842
Yxy	40.5735, 0.3482, 0.2866
Android (android.graphics.Color)	4292646586 (0xFFDC96BA)
YUV	175.0340, 5.4062, 39.4352
Hunter-Lab	63.6973, 26.6404, -3.5238

Details

The XYZ color **49.2845, 40.5735, 51.6883** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.8243, 61.1323, 54.6820**, and the grayscale version is **40.7281, 42.8492, 46.6628**.

A 20% lighter version of the original color is **79.0983, 71.3334, 93.6042**, and **23.9112, 18.3213, 24.4664** is the 20% darker color. If you saturate the color by 10%, you get **45.0041, 33.7630, 44.8646**, and if you desaturate by 10%, it is **54.3113, 48.7398, 59.1809**.

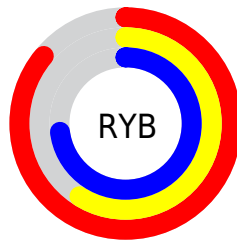
Distribution



Red (86%)

Green (59%)

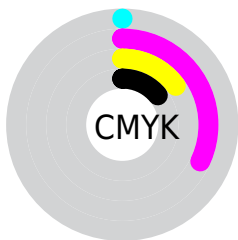
Blue (73%)



Red (86%)

Yellow (59%)

Blue (73%)

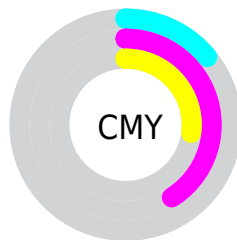


Cyan (0%)

Magenta (32%)

Yellow (15%)

Black (14%)



Cyan (14%)


Magenta (41%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2845, 40.5735, 51.6883 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 49.2845, 40.5735, 51.6883 by changing the saturation by 10% instead.


 49.2845, 40.5735,
51.6883

 49.2845, 40.5735,
51.6883


374.3597,
348.5349, 410.1547

 35.0607, 27.9860,
36.3762


 88.3120, 76.0360,
94.0933

 23.8764, 18.3151,
24.4329

 113.8465, 99.6798,
122.0232

 15.3662, 11.1764,
15.4399


143.8818,
127.7778, 154.9961

 9.1648, 6.1856,
8.9786

178.7834,
160.7145, 193.4306

 4.9068, 2.9583,
4.6306

218.9167,
198.8741, 237.7452

 2.2269, 1.1100,
1.9773

264.6469,

 0.7568, 0.0000,

242.6411, 288.3583

0.5413

316.3394,
292.3999, 345.6887

■ 0.0000, 0.0000,
0.0000

■ 49.2845, 40.5735,
51.6883

■ 49.2845, 40.5735,
51.6883

■ 45.0041, 33.7630,
44.8646

■ 54.3113, 48.7398,
59.1809

■ 41.4278, 28.2280,
38.6852

■ 60.1167, 58.3251,
67.3607

■ 38.5141, 23.8884,
33.1275

■ 66.7355, 69.3955,
76.2483

■ 36.2157, 20.6525,
28.1657

■ 74.1991, 82.0111,
85.8623

■ 34.4783, 18.4153,
23.7718

■ 80.9195, 92.9934,
95.6817

■ 33.2374, 17.0508,
19.9136

■ 82.5495, 93.6454,
104.2651

■ 32.5038, 16.4111,
17.1178

■ 83.3255, 93.9558,
108.3513

Harmonies

Analogous

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



46.3264, 40.5735, 67.7217



49.2845, 40.5735, 51.6883



49.1935, 40.5735, 36.6971

Triad

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



49.2845, 40.5735, 51.6883



35.8548, 40.5735, 21.6715



31.9067, 40.5735, 68.5292

Complementary

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



49.2845, 40.5735, 51.6883



46.8243, 61.1323, 54.6820

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.



29.5877, 40.5735, 52.6114



49.2845, 40.5735, 51.6883



31.7209, 40.5735, 26.8412

Square

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



49.2845, 40.5735, 51.6883



41.1042, 40.5735, 21.5341



29.5229, 40.5735, 37.4322



36.1304, 40.5735, 78.8470

Rectangle

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



49.2845, 40.5735, 51.6883



47.4055, 40.5735, 29.2288



29.5229, 40.5735, 37.4322



30.8962, 40.5735, 63.5122

Sweetspot

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



49.2857, 40.5754, 51.6891



85.5172, 84.0235, 96.1993



43.5536, 37.1519, 72.5863



18.0376, 17.5408, 20.2260



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.



49.2857, 40.5754, 51.6891



64.8607, 50.2985, 65.9204



46.0225, 39.2701, 34.5056



13.3342, 13.1628, 15.0210



19.1326, 9.6541, 10.3442



1.2830, 0.6428, 0.8992

Inverse Universe

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



49.2857, 40.5754, 51.6891



64.8607, 50.2985, 65.9204



50.9364, 62.7771, 76.3361



13.3342, 13.1628, 15.0210



19.1326, 9.6541, 10.3442



1.2830, 0.6428, 0.8992

Previews

White Background



This preview shows how the XYZ color 49.2845, 40.5735, 51.6883 looks on a white background.

Color Contrast Check

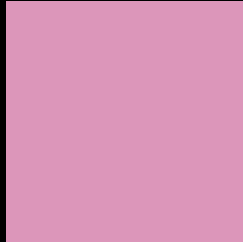
Large Text (above 18pt) WCAG AA × Fail

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 49.2845, 40.5735, 51.6883 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 49.2845, 40.5735, 51.6883

Background



This preview shows how black text looks on a background with the XYZ color 49.2845, 40.5735, 51.6883.



This preview shows how white text looks on a background with the XYZ color 49.2845, 40.5735,

51.6883.

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

49.2845, 40.5735, 51.6883

Protanopia

40.4094, 40.9800, 59.8129

Deuteranopia

41.4749, 40.6364, 50.4574



Tritanopia

47.2606, 40.7332, 40.9687

Trichromacy



Original Color

49.2845, 40.5735, 51.6883

Protanomaly

43.0845, 40.5285, 56.5909

Deuteranomaly

43.9875, 40.3381, 50.8150

Tritanomaly

48.1475, 40.8597, 44.8842

Monochromacy



Original Color

49.2845, 40.5735, 51.6883

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.2588, 41.6035, 48.3981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2845, 40.5735, 51.6883 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(220, 150, 186)` looks like.

```
.text, #text, p{  
    color:rgb(220, 150, 186)  
}
```

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(220, 150, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 150, 186) }
```

Border

The CSS property to change the border of an element to XYZ 49.2845, 40.5735, 51.6883 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(220, 150, 186) }
```


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

```
.border{ border-color:rgb(220, 150, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 150, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 150, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 150, 186); box-shadow:4px 4px 4px 4px rgb(220, 150, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2845, 40.5735, 51.6883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 150, 186) }
```

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

```
.background{ background-color: rgb(220,  
150, 186) }
```

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