

Converting Colors

CIELCh(56, 44.868, 0.383)

Have a look what the booklet for
CIELCh(56, 44.868, 0.383) contains.

CIELCh(56, 44.771, 0.841)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 44.771, 0.841)

Conversions

Conversions Part 1

Format	Color
Hex	CD6587
RGB	205, 101, 135
RGB Percent	80%, 40%, 53%
CMY	0.1975, 0.6052, 0.4718
CMYK	0.00, 0.51, 0.34, 0.20
HSL	340°, 51%, 60%
HSV	340°, 51%, 80%
XYZ	34.0503, 23.9124, 25.6253
YIQ	135.9720, 51.0700, 32.6220

Conversions

Conversions Part 2

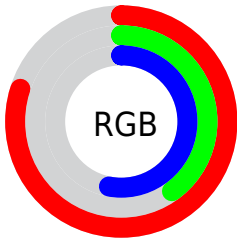
Format	Color
R_{YB}	205, 101, 135
Decimal	13460871
CIE _{Lab}	56.00, 44.77, 0.66
CIE _{LCh}	56, 44.771, 0.841
Yxy	23.9124, 0.4074, 0.2861
Android (android.graphics.Color)	4291650951 (0xFFCD6587)
YUV	135.9720, -0.4792, 60.5376
Hunter-Lab	48.9003, 38.7176, 3.1605

Details

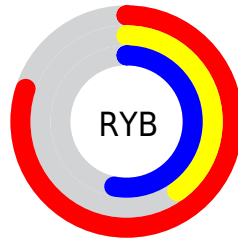
The CIELCh color **56, 44.771, 0.841** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **76, 39.109, 168.564**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 41.342, 358.618**, and **36, 45.052, 1.219** is the 20% darker color. If you saturate the color by 10%, you get **52, 52.987, 3.126**, and if you desaturate by 10%, it is **61, 35.961, 359.002**.

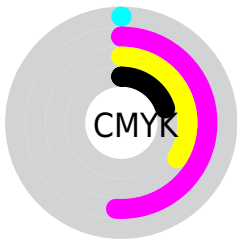
Distribution



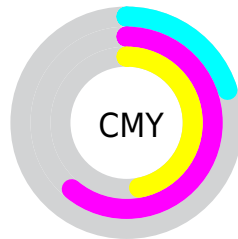
- Red (80%)
- Green (40%)
- Blue (53%)



- Red (80%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (51%)
- Yellow (34%)
- Black (20%)



- Cyan (20%)
- Magenta (61%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 44.771, 0.841 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 CIELCh color 56, 44.771, 0.841 by changing the saturation by 10% instead.

 56, 44.771, 0.841  56, 44.771, 0.841

 100, 44.771, 0.841  46, 44.771, 0.841


 76, 44.771, 0.841  36, 44.771, 0.841

 86, 44.771, 0.841  26, 44.771, 0.841

 96, 44.771, 0.841  16, 44.771, 0.841

 6, 44.771, 0.841

 0, 44.771, 0.841

 56, 44.771, 0.841  56, 44.771, 0.841

 52, 52.987, 3.126  61, 35.961,
359.002

 49, 60.198, 6.005

46, 66.043, 9.655

66, 26.928,
357.485

44, 70.401, 14.218

71, 17.935,
356.203

43, 73.544, 19.059

76, 9.150, 355.086

82, 0.670, 353.474

87, 7.462, 173.406

93, 15.236,
172.619

96, 17.882,
181.343

97, 16.674,
198.399

Harmonies

Complementary

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



56, 44.771, 0.841



76, 39.109, 168.564

Rectangle

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



56, 44.771, 0.841



56, 44.771, 50.841



56, 44.771, 180.841



56, 44.771, 230.841

Sweetspot

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



56, 44.768, 0.843



90, 15.315, 355.561



54, 62.827, 316.800



47, 10.488, 355.800



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 44.768, 0.843



64, 63.439, 3.379



59, 40.255, 37.095



40, 4.780, 354.936



35, 62.625, 18.124



4, 18.673, 3.521

Inverse Universe

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



56, 44.768, 0.843



64, 63.439, 3.379



71, 27.206, 218.112



40, 4.780, 354.936



35, 62.625, 18.124



4, 18.673, 3.521

Previews

White Background



This preview shows how the CIELCh color 56, 44.771, 0.841 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 44.771, 0.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

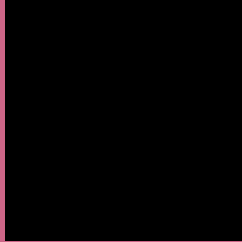
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 44.771, 0.841

Background



This preview shows how black text looks on a background with the CIELCh color 56, 44.771, 0.841.



This preview shows how white text looks on a background with the CIELCh color 56, 44.771, 0.841.

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

56, 44.771, 0.841

Protanopia

56, 12.044, 286.356

Deuteranopia

56, 8.110, 20.216



Tritanopia
56, 41.831, 19.539

Trichromacy



Original Color
56, 44.771, 0.841

Protanomaly
55, 20.385, 334.932

Deuteranomaly
55, 21.938, 2.454

Tritanomaly
56, 42.671, 12.488

Monochromacy



Original Color
56, 44.771, 0.841

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 16.920, 355.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 44.771, 0.841 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(205, 101, 135)` looks like.

```
.text, #text, p{  
    color:rgb(205, 101, 135)  
}
```

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(205, 101, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 101, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 44.771, 0.841 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(205, 101, 135) }
```

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

```
.border{ border-color:rgb(205, 101, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 101, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 101, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 101, 135);  
box-shadow:4px 4px 4px 4px rgb(205, 101,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 44.771, 0.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 101, 135) }
```

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

```
.background{ background-color: rgb(205,  
101, 135) }
```

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