

Converting Colors

CIELCh(56, 48.602, 343.536)

Have a look what the booklet for
CIELCh(56, 48.602, 343.536)
contains.

CIELCh(56, 48.803, 343.751)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 48.803, 343.751)

Conversions

Conversions Part 1

Format	Color
Hex	C8649F
RGB	200, 100, 159
RGB Percent	78%, 39%, 62%
CMY	0.2155, 0.6077, 0.3763
CMYK	0.00, 0.50, 0.20, 0.22
HSL	325°, 48%, 59%
HSV	325°, 50%, 78%
XYZ	34.6543, 23.9124, 35.6088
YIQ	136.6260, 40.6610, 39.5490

Conversions

Conversions Part 2

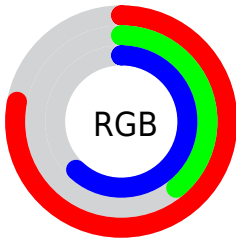
Format	Color
R _Y B	200, 100, 159
Decimal	13132959
CIE Lab	56.00, 46.85, -13.66
CIE LCh	56, 48.803, 343.751
Yxy	23.9124, 0.3680, 0.2539
Android (android.graphics.Color)	4291323039 (0xFFC8649F)
YUV	136.6260, 11.0304, 55.5790
Hunter-Lab	48.9003, 40.9223, -8.9442

Details

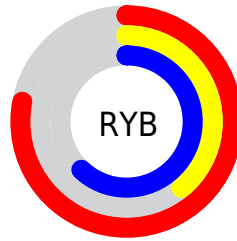
The CIELCh color **56, 48.803, 343.751** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **74, 47.448, 154.094**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 47.808, 342.410**, and **36, 49.086, 343.653** is the 20% darker color. If you saturate the color by 10%, you get **52, 57.103, 345.082**, and if you desaturate by 10%, it is **60, 39.540, 342.604**.

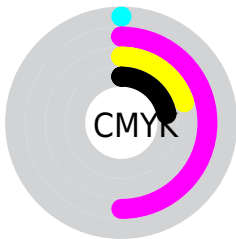
Distribution



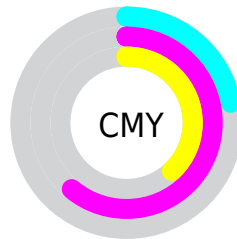
- Red (78%)
- Green (39%)
- Blue (62%)



- Red (78%)
- Yellow (39%)
- Blue (62%)



- Cyan (0%)
- Magenta (50%)
- Yellow (20%)
- Black (22%)





- Cyan (22%)
- Magenta (61%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 48.803, 343.751 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, 48.803, 343.751 by changing the saturation by 10% instead.


 56, 48.803,
343.751


 56, 48.803,
343.751


 100, 48.803,
343.751


 46, 48.803,
343.751


 76, 48.803,
343.751

 36, 48.803,
343.751

 86, 48.803,
343.751

 26, 48.803,
343.751

 96, 48.803,
343.751

 16, 48.803,
343.751

 6, 48.803, 343.751

 0, 48.803, 343.751

56, 48.803,
343.751

56, 48.803,
343.751

52, 57.103,
345.082

60, 39.540,
342.604

49, 63.950,
346.668

65, 29.753,
341.589

46, 68.865,
348.606

70, 19.764,
340.674

45, 71.565,
351.023

75, 9.798, 339.828

81, 0.008, 217.660


44, 72.410,
353.958

86, 9.558, 158.441

44, 72.411,
353.961

92, 18.824,
157.769

96, 24.805,
159.101

 96, 22.168,
167.217

Harmonies

Complementary

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



56, 48.803, 343.751



74, 47.448, 154.094

Rectangle

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



56, 48.803, 343.751



56, 48.803, 33.751



56, 48.803, 163.751



56, 48.803, 213.751

Sweetspot

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



56, 48.800, 343.752



90, 18.001, 340.264



51, 59.357, 308.551



47, 12.301, 340.446



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, 48.800, 343.752



65, 69.351, 345.209



55, 42.716, 17.762



39, 5.533, 339.777



35, 62.413, 353.437



4, 18.885, 347.418

Inverse Universe

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



56, 48.800, 343.752



65, 69.351, 345.209



75, 31.941, 187.203



39, 5.533, 339.777



35, 62.413, 353.437



4, 18.885, 347.418

Previews

White Background



This preview shows how the CIELCh color 56, 48.803, 343.751 looks on a white background.

Color Contrast Check

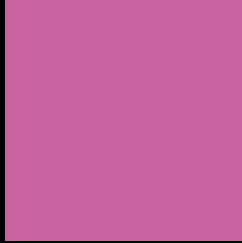
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.803, 343.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

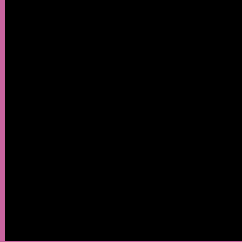
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 48.803, 343.751

Background



This preview shows how black text looks on a background with the CIELCh color 56, 48.803, 343.751.

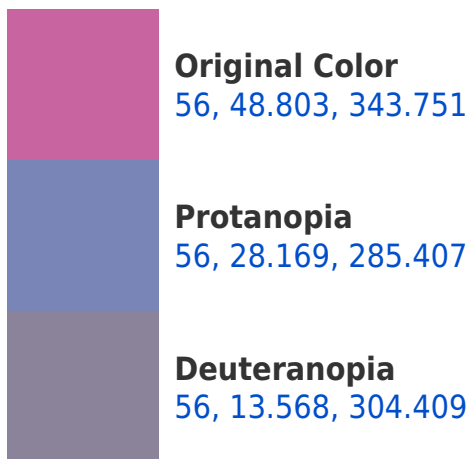


This preview shows how white text looks on a background with the CIELCh color 56, 48.803, 343.751.

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





Tritanopia
56, 36.921, 17.192

Trichromacy



Original Color
56, 48.803, 343.751

Protanomaly
55, 32.243, 312.085

Deuteranomaly
55, 25.789, 329.421

Tritanomaly
56, 39.082, 2.931

Monochromacy



Original Color
56, 48.803, 343.751

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 18.487, 341.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 48.803, 343.751 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(200, 100, 159)` looks like.

```
.text, #text, p{  
    color:rgb(200, 100, 159)  
}
```

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(200, 100, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 100, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 48.803, 343.751 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(200, 100, 159) }
```

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

```
.border{ border-color:rgb(200, 100, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 100, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 100, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 100, 159);  
box-shadow:4px 4px 4px 4px rgb(200, 100,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 48.803, 343.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 100, 159) }
```

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

```
.background{ background-color: rgb(200,  
100, 159) }
```

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](#).

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