

Converting Colors

CIELCh(58, 56.109, 319.707)

Have a look what the booklet for
CIELCh(58, 56.109, 319.707)
contains.

CIELCh(58, 56.075, 319.785)	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(58, 56.075, 319.785)

Conversions

Conversions Part 1

Format	Color
Hex	B670CB
RGB	182, 112, 203
RGB Percent	71%, 44%, 80%
CMY	0.2851, 0.5596, 0.2027
CMYK	0.10, 0.45, 0.00, 0.20
HSL	286°, 47%, 62%
HSV	286°, 45%, 80%
XYZ	36.0067, 25.9610, 59.8059
YIQ	143.3040, 12.5090, 43.1410

Conversions

Conversions Part 2

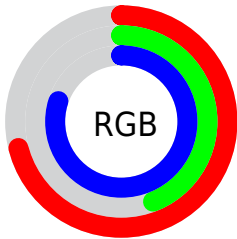
Format	Color
RYB	182, 112, 203
Decimal	11956427
CIELab	58.00, 42.82, -36.21
CIELCh	58, 56.075, 319.785
Yxy	25.9610, 0.2957, 0.2132
Android (android.graphics.Color)	4290146507 (0xFFB670CB)
YUV	143.3040, 29.4301, 33.9364
Hunter-Lab	50.9519, 36.9765, -33.9265

Details

The CIELCh color $58, 56.075, 319.785$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $75, 54.823, 135.441$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 53.874, 321.063$, and $38, 55.919, 319.852$ is the 20% darker color. If you saturate the color by 10%, you get $53, 67.860, 320.114$, and if you desaturate by 10%, it is $63, 43.673, 319.389$.

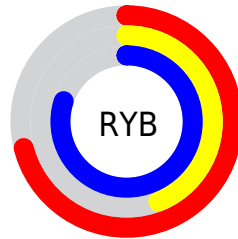
Distribution



Red (71%)

Green (44%)

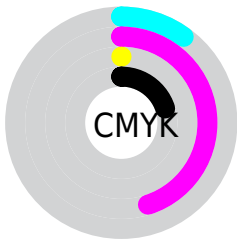
Blue (80%)



Red (71%)

Yellow (44%)

Blue (80%)

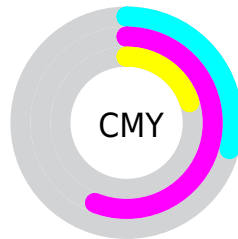


Cyan (10%)

Magenta (45%)

Yellow (0%)

Black (20%)



Cyan (29%)


Magenta (56%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 56.075, 319.785 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 58, 56.075, 319.785 by changing the saturation by 10% instead.


 58, 56.075,
319.785


 58, 56.075,
319.785


 100, 56.075,
319.785


 48, 56.075,
319.785


 78, 56.075,
319.785

 38, 56.075,
319.785

 88, 56.075,
319.785

 28, 56.075,
319.785

 98, 56.075,
319.785

 18, 56.075,
319.785

 8, 56.075, 319.785

 0, 56.075, 319.785

■ 58, 56.075,
319.785

■ 58, 56.075,
319.785

■ 53, 67.860,
320.114

■ 63, 43.673,
319.389

■ 49, 78.543,
320.335

■ 68, 31.023,
318.958

■ 46, 87.537,
320.399

■ 74, 18.371,
318.514

■ 43, 94.262,
320.256

■ 79, 5.880, 318.055

■ 41, 98.351,
319.862

■ 85, 6.356, 137.702

■ 40, 99.779,
319.592

■ 90, 18.281,
137.285

■ 96, 29.872,
136.911

■ 96, 29.302,
134.189

■ 97, 28.564,
131.235

Harmonies

Complementary

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



58, 56.075, 319.785



75, 54.823, 135.441

Rectangle

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



58, 56.075, 319.785



58, 56.075, 9.785



58, 56.075, 139.785



58, 56.075, 189.785

Sweetspot

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



58, 56.073, 319.785



91, 19.409, 318.442



57, 40.033, 285.647



47, 13.607, 318.542



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 56.073, 319.785



66, 80.419, 320.112



60, 48.949, 336.217



40, 7.042, 318.272



32, 85.682, 319.706



4, 26.638, 318.045

Inverse Universe

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



58, 38.432, 6.766



67, 55.967, 8.938



75, 48.636, 149.000



40, 4.569, 1.762



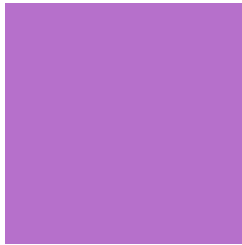
34, 65.759, 26.559



4, 18.304, 8.199

Previews

White Background



This preview shows how the CIELCh color 58, 56.075, 319.785 looks on a white background.

Color Contrast Check

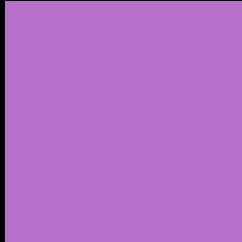
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 56.075, 319.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

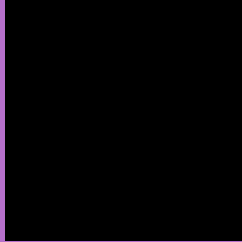
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 56.075, 319.785

Background



This preview shows how black text looks on a background with the CIELCh color 58, 56.075, 319.785.



This preview shows how white text looks on a background with the CIELCh color 58, 56.075, 319.785.

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
58, 56.075, 319.785

Protanopia
58, 49.615, 285.849

Deuteranopia
58, 34.390, 283.658



Tritanopia
58, 19.389, 4.759

Trichromacy



Original Color
58, 56.075, 319.785



Protanomaly
58, 50.180, 297.675



Deuteranomaly
58, 40.749, 300.051



Tritanomaly
58, 29.975, 335.536

Monochromacy



Original Color
58, 56.075, 319.785



Achromatopsia
60, 0.008, 296.813



Achromatomaly
59, 21.665, 318.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 56.075, 319.785 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(182, 112, 203)` looks like.

```
.text, #text, p{  
    color:rgb(182, 112, 203)  
}
```

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(182, 112, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 112, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 56.075, 319.785 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(182, 112, 203) }
```

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

```
.border{ border-color:rgb(182, 112, 203) }
```

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

Here you see how a box with a 4 pixel rgb(182, 112, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 112, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 112, 203);  
box-shadow:4px 4px 4px 4px rgb(182, 112,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 56.075, 319.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 112, 203) }
```

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

```
.background{ background-color: rgb(182,  
112, 203) }
```

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