

Converting Colors

CIELCh(58, 36.672, 316.416)

Have a look what the booklet for
CIELCh(58, 36.672, 316.416)
contains.

CIELCh(58, 37.095, 316.588)	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, 37.095, 316.588)

Conversions

Conversions Part 1

Format	Color
Hex	A57CB8
RGB	165, 124, 184
RGB Percent	65%, 49%, 72%
CMY	0.3521, 0.5129, 0.2776
CMYK	0.10, 0.33, 0.00, 0.28
HSL	281°, 30%, 60%
HSV	281°, 33%, 72%
XYZ	31.4722, 25.9610, 48.8225
YIQ	143.0990, 5.1760, 27.3520

Conversions

Conversions Part 2

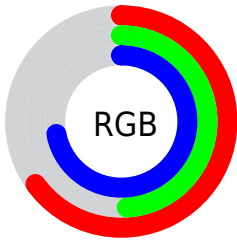
Format	Color
R_{YB}	165, 124, 184
Decimal	10845368
CIE _{Lab}	58.00, 26.95, -25.49
CIE _{LCh}	58, 37.095, 316.588
Yxy	25.9610, 0.2962, 0.2443
Android (android.graphics.Color)	4289035448 (0xFFA57CB8)
YUV	143.0990, 20.1642, 19.2072
Hunter-Lab	50.9519, 21.0907, -21.1458

Details

The CIELCh color **58, 37.095, 316.588** is a light color, and the websafe version is hex **996699**. A complement of this color would be **71, 36.149, 133.666**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 37.051, 316.811**, and **38, 37.489, 316.466** is the 20% darker color. If you saturate the color by 10%, you get **53, 48.584, 317.003**, and if you desaturate by 10%, it is **63, 25.538, 316.152**.

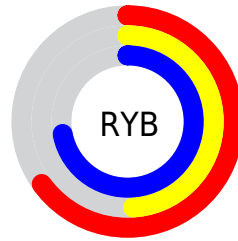
Distribution



Red (65%)

Green (49%)

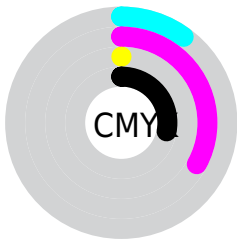
Blue (72%)



Red (65%)

Yellow (49%)

Blue (72%)

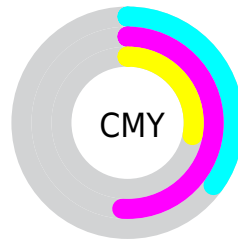


Cyan (10%)

Magenta (33%)

Yellow (0%)

Black (28%)



Cyan (35%)


Magenta (51%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 37.095, 316.588 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, 37.095, 316.588 by changing the saturation by 10% instead.


 58, 37.095,
316.588

 58, 37.095,
316.588


 100, 37.095,
316.588


 48, 37.095,
316.588


 78, 37.095,
316.588

 38, 37.095,
316.588

 88, 37.095,
316.588

 28, 37.095,
316.588

 98, 37.095,
316.588

 18, 37.095,
316.588

 8, 37.095, 316.588

 0, 37.095, 316.588

58, 37.095,
316.588

58, 37.095,
316.588

53, 48.584,
317.003

63, 25.538,
316.152

48, 59.741,
317.367

68, 14.092,
315.715

44, 70.171,
317.636

74, 2.859, 315.252

40, 79.350,
317.754

79, 8.103, 134.938

37, 86.679,
317.654

84, 18.766,
134.562


35, 91.640,
317.271

89, 29.121,
134.225

34, 94.092,
316.846

95, 39.168,
133.921

96, 39.296,
131.515

 96, 38.427,
128.714

Harmonies

Complementary

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



58, 37.095, 316.588



71, 36.149, 133.666

Rectangle

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



58, 37.095, 316.588



58, 37.095, 6.588



58, 37.095, 136.588



58, 37.095, 186.588

Sweetspot

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



58, 37.093, 316.588



88, 13.844, 315.610



59, 23.811, 277.470



46, 9.453, 315.671



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



58, 37.093, 316.588



70, 55.115, 316.885



60, 35.220, 331.996



36, 6.310, 315.574



28, 82.973, 316.972



2, 16.597, 311.590

Inverse Universe

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



59, 26.083, 358.429



71, 38.915, 359.505



70, 35.101, 147.477



36, 4.357, 355.631



32, 59.931, 18.768



2, 11.270, 0.877

Previews

White Background



This preview shows how the CIELCh color 58, 37.095, 316.588 looks on a white background.

Color Contrast Check

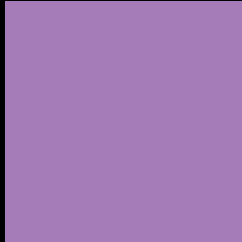
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 58, 37.095, 316.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

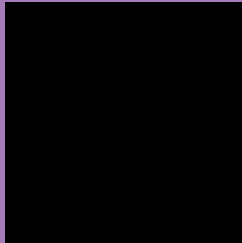
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 37.095, 316.588

Background



This preview shows how black text looks on a background with the CIELCh color 58, 37.095, 316.588.



This preview shows how white text looks on a background with the CIELCh color 58, 37.095, 316.588.

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, 37.095, 316.588

Protanopia

58, 32.024, 284.656

Deuteranopia

58, 25.619, 288.558



Tritanopia
58, 12.362, 350.500

Trichromacy



Original Color
58, 37.095, 316.588

Protanomaly
58, 32.557, 296.719

Deuteranomaly
58, 29.404, 300.779

Tritanomaly
58, 20.515, 328.199

Monochromacy



Original Color
58, 37.095, 316.588

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 13.779, 315.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 37.095, 316.588 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(165, 124, 184)` looks like.

```
.text, #text, p{  
    color:rgb(165, 124, 184)  
}
```

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(165, 124, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 124, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 37.095, 316.588 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(165, 124, 184) }
```

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

```
.border{ border-color:rgb(165, 124, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 124, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 124, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 124, 184);  
box-shadow:4px 4px 4px 4px rgb(165, 124,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 37.095, 316.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 124, 184) }
```

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

```
.background{ background-color: rgb(165,  
124, 184) }
```

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