

Converting Colors

CIELCh(58, 40.356, 326.958)

Have a look what the booklet for
CIELCh(58, 40.356, 326.958)
contains.

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Color

CIELCh(58, 40.457, 327.187)

Conversions

Conversions Part 1

Format	Color
Hex	B476B2
RGB	180, 118, 178
RGB Percent	71%, 46%, 70%
CMY	0.2932, 0.5364, 0.3011
CMYK	0.00, 0.34, 0.01, 0.29
HSL	302°, 29%, 59%
HSV	302°, 34%, 71%
XYZ	33.4374, 25.9610, 45.4861
YIQ	143.3780, 17.6920, 31.8040

Conversions

Conversions Part 2

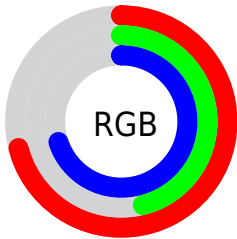
Format	Color
R _{YB}	180, 118, 178
Decimal	11826866
CIE Lab	58.00, 34.00, -21.92
CIE LCh	58, 40.457, 327.187
Yxy	25.9610, 0.3188, 0.2475
Android (android.graphics.Color)	4290016946 (0xFFB476B2)
YUV	143.3780, 17.0686, 32.1175
Hunter-Lab	50.9519, 27.9753, -17.2634

Details

The CIELCh color $58, 40.457, 327.187$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $68, 40.482, 142.830$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 40.673, 327.241$, and $38, 40.315, 327.268$ is the 20% darker color. If you saturate the color by 10%, you get $54, 51.605, 327.701$, and if you desaturate by 10%, it is $62, 28.812, 326.647$.

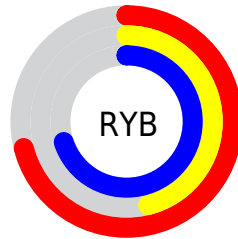
Distribution



Red (71%)

Green (46%)

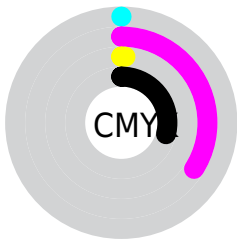
Blue (70%)



Red (71%)

Yellow (46%)

Blue (70%)

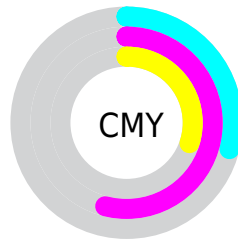


Cyan (0%)

Magenta (34%)

Yellow (1%)

Black (29%)



Cyan (29%)


Magenta (54%)


Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 40.457, 327.187 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, 40.457, 327.187 by changing the saturation by 10% instead.


 58, 40.457,
327.187


 58, 40.457,
327.187


 100, 40.457,
327.187


 48, 40.457,
327.187


 78, 40.457,
327.187

 38, 40.457,
327.187

 88, 40.457,
327.187

 28, 40.457,
327.187

 98, 40.457,
327.187

 18, 40.457,
327.187

 8, 40.457, 327.187

 0, 40.457, 327.187

58, 40.457,
327.187

58, 40.457,
327.187

54, 51.605,
327.701

62, 28.812,
326.647

51, 61.875,
328.174

67, 16.977,
326.092

48, 70.817,
328.594

71, 5.166, 325.508

45, 77.982,
328.949

76, 6.475, 145.052

44, 83.030,
329.234

81, 17.855,
144.501

43, 85.852,
329.452

86, 28.923,
143.990

42, 86.841,
329.557

91, 39.655,
143.505

94, 45.720,
143.318

■ 94, 45.478,
143.530

Harmonies

Complementary

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



58, 40.457, 327.187



68, 40.482, 142.830

Rectangle

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



58, 40.457, 327.187



58, 40.457, 17.187



58, 40.457, 147.187



58, 40.457, 197.187

Sweetspot

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



58, 40.455, 327.187



87, 14.569, 325.852



52, 36.041, 295.039



45, 9.939, 325.931



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



58, 40.455, 327.187



71, 59.272, 327.565



57, 29.377, 347.877



35, 6.604, 325.803



36, 76.982, 329.539



3, 15.724, 325.786

Inverse Universe

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



58, 40.455, 327.187



71, 59.272, 327.565



69, 28.080, 161.288



35, 6.604, 325.803



36, 76.982, 329.539



3, 15.724, 325.786

Previews

White Background



This preview shows how the CIELCh color 58, 40.457, 327.187 looks on a white background.

Color Contrast Check

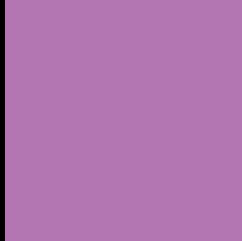
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.457, 327.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

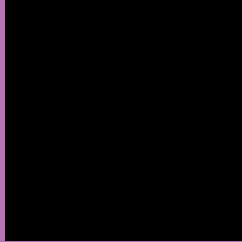
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 40.457, 327.187

Background



This preview shows how black text looks on a background with the CIELCh color 58, 40.457, 327.187.



This preview shows how white text looks on a background with the CIELCh color 58, 40.457, 327.187.

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, 40.457, 327.187

Protanopia

58, 31.433, 284.952

Deuteranopia

58, 21.617, 290.795



Tritanopia
58, 20.084, 7.122

Trichromacy



Original Color
58, 40.457, 327.187

Protanomaly
58, 32.881, 301.433

Deuteranomaly
58, 27.381, 308.844

Tritanomaly
58, 25.558, 345.861

Monochromacy



Original Color
58, 40.457, 327.187

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 14.619, 326.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 40.457, 327.187 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(180, 118, 178)` looks like.

```
.text, #text, p{  
    color:rgb(180, 118, 178)  
}
```

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(180, 118, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 118, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 40.457, 327.187 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(180, 118, 178) }
```

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

```
.border{ border-color:rgb(180, 118, 178) }
```

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

Here you see how a box with a 4 pixel rgb(180, 118, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 118, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 118, 178);  
box-shadow:4px 4px 4px 4px rgb(180, 118,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 40.457, 327.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 118, 178) }
```

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

```
.background{ background-color: rgb(180,  
118, 178) }
```

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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