

Converting Colors

CIELCh(58, 34.156, 320.630)

Have a look what the booklet for
CIELCh(58, 34.156, 320.630)
contains.

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Color

CIELCh(58, 34.530, 320.591)

Conversions

Conversions Part 1

Format	Color
Hex	A87CB2
RGB	168, 124, 178
RGB Percent	66%, 49%, 70%
CMY	0.3411, 0.5136, 0.3019
CMYK	0.06, 0.30, 0.00, 0.30
HSL	289°, 26%, 59%
HSV	289°, 30%, 70%
XYZ	31.3991, 25.9610, 45.4842
YIQ	143.3120, 8.8900, 26.1220

Conversions

Conversions Part 2

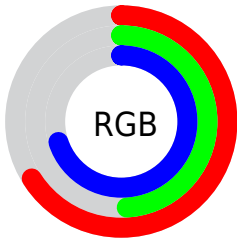
Format	Color
R _Y B	168, 124, 178
Decimal	11041970
CIE _{Lab}	58.00, 26.68, -21.92
CIE _{LCh}	58, 34.530, 320.591
Y _{xy}	25.9610, 0.3053, 0.2524
Android (android.graphics.Color)	4289232050 (0xFFA87CB2)
YUV	143.3120, 17.1012, 21.6514
Hunter-Lab	50.9519, 20.8348, -17.2611

Details

The CIELCh color **58, 34.530, 320.591** is a light color, and the websafe version is hex **996699**. A complement of this color would be **68, 34.104, 137.642**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 34.664, 320.643**, and **38, 34.670, 320.643** is the 20% darker color. If you saturate the color by 10%, you get **54, 45.838, 321.009**, and if you desaturate by 10%, it is **63, 23.062, 320.147**.

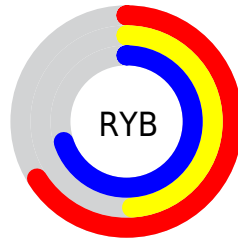
Distribution



Red (66%)

Green (49%)

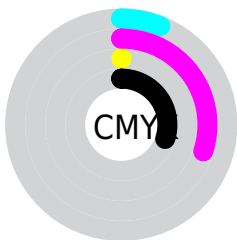
Blue (70%)



Red (66%)

Yellow (49%)

Blue (70%)

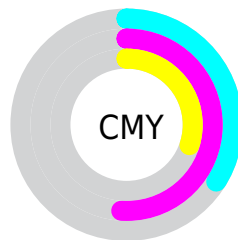


Cyan (6%)

Magenta (30%)

Yellow (0%)

Black (30%)



Cyan (34%)


Magenta (51%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 34.530, 320.591 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, 34.530, 320.591 by changing the saturation by 10% instead.


 58, 34.530,
320.591


 58, 34.530,
320.591


 100, 34.530,
320.591


 48, 34.530,
320.591


 78, 34.530,
320.591

 38, 34.530,
320.591

 88, 34.530,
320.591

 28, 34.530,
320.591

 98, 34.530,
320.591

 18, 34.530,
320.591

 8, 34.530, 320.591

 0, 34.530, 320.591

58, 34.530,
320.591

58, 34.530,
320.591

54, 45.838,
321.009

63, 23.062,
320.147

49, 56.705,
321.375

67, 11.637,
319.691

46, 66.738,
321.658

72, 0.379, 318.754

42, 75.457,
321.819

77, 10.635,
138.863

40, 82.356,
321.816

82, 21.363,
138.453

38, 87.037,
321.611

87, 31.787,
138.075

36, 89.736,
321.245

92, 41.902,
137.726

94, 45.056,
136.839

■ 95, 44.463,
135.605

Harmonies

Complementary

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



58, 34.530, 320.591



68, 34.104, 137.642

Rectangle

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



58, 34.530, 320.591



58, 34.530, 10.591



58, 34.530, 140.591



58, 34.530, 190.591

Sweetspot

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



58, 34.528, 320.591



87, 12.561, 319.637



57, 24.814, 284.642



46, 8.809, 319.704



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, 34.528, 320.591



71, 50.819, 320.858



58, 29.461, 336.453



35, 6.387, 319.645



31, 80.231, 321.323



2, 15.009, 316.886

Inverse Universe

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



58, 22.660, 7.708



70, 33.789, 8.673



68, 29.148, 151.860



35, 4.023, 5.169



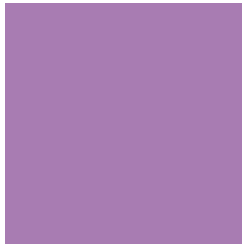
31, 63.595, 29.681



2, 9.377, 7.688

Previews

White Background



This preview shows how the CIELCh color 58, 34.530, 320.591 looks on a white background.

Color Contrast Check

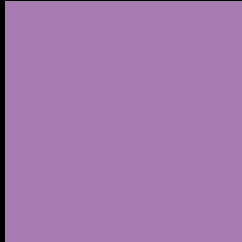
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.530, 320.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

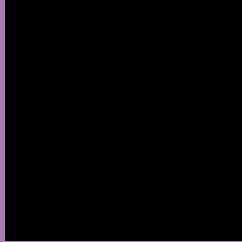
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 34.530, 320.591

Background



This preview shows how black text looks on a background with the CIELCh color 58, 34.530, 320.591.

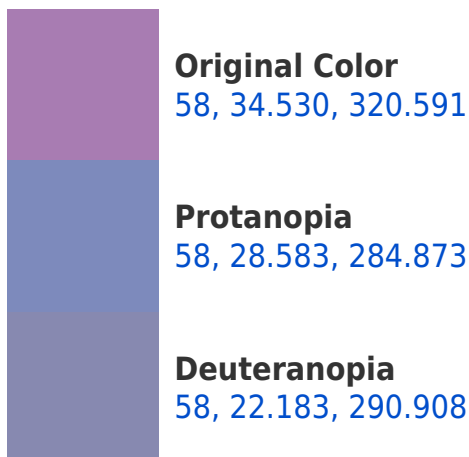


This preview shows how white text looks on a background with the CIELCh color 58, 34.530, 320.591.

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
58, 13.935, 357.028

Trichromacy



Original Color
58, 34.530, 320.591

Protanomaly
58, 29.254, 298.764

Deuteranomaly
58, 26.285, 304.604

Tritanomaly
58, 20.503, 335.718

Monochromacy



Original Color
58, 34.530, 320.591

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 12.936, 319.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 34.530, 320.591 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(168, 124, 178)` looks like.

```
.text, #text, p{  
    color:rgb(168, 124, 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(168, 124, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 124, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 34.530, 320.591 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(168, 124, 178) }
```

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

```
.border{ border-color:rgb(168, 124, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 124, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 124, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 124, 178);  
box-shadow:4px 4px 4px 4px rgb(168, 124,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 34.530, 320.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 124, 178) }
```

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

```
.background{ background-color: rgb(168,  
124, 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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