

# Converting Colors

CIELCh(56, 34.906, 342.160)

Have a look what the booklet for  
CIELCh(56, 34.906, 342.160)  
contains.

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# Color

**CIELCh(56, 34.858, 342.138)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B6719A
RGB	182, 113, 154
RGB Percent	71%, 44%, 60%
CMY	0.2882, 0.5586, 0.3979
CMYK	0.00, 0.38, 0.15, 0.29
HSL	324°, 32%, 58%
HSV	324°, 38%, 71%
XYZ	30.8244, 23.9124, 33.3601
YIQ	138.3050, 27.9630, 27.3790

# Conversions

## Conversions Part 2

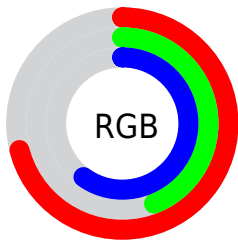
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 113, 154
Decimal	11956634
CIE <sub>Lab</sub>	56.00, 33.18, -10.69
CIE <sub>LCh</sub>	56, 34.858, 342.138
Y <sub>xy</sub>	23.9124, 0.3499, 0.2714
Android (android.graphics.Color)	4290146714 (0xFFB6719A)
YUV	138.3050, 7.7376, 38.3205
Hunter-Lab	48.9003, 26.9421, -6.2178

# Details

The CIELCh color  $56, 34.858, 342.138$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $68, 33.974, 155.441$ , and the grayscale version is  $57, 0.007, 296.813$ .

A 20% lighter version of the original color is  $76, 34.686, 342.423$ , and  $36, 35.031, 342.265$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 43.573, 343.235$ , and if you desaturate by 10%, it is  $60, 25.727, 341.163$ .

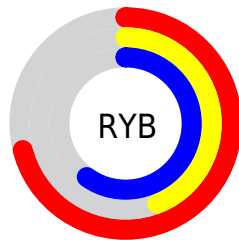
# Distribution



Red (71%)

Green (44%)

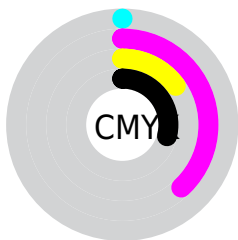
Blue (60%)



Red (71%)

Yellow (44%)

Blue (60%)

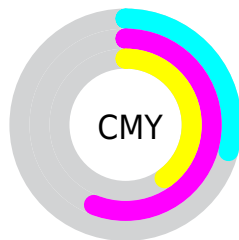


Cyan (0%)

Magenta (38%)

Yellow (15%)

Black (29%)



Cyan (29%)

Magenta (56%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 34.858, 342.138 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, 34.858, 342.138 by changing the saturation by 10% instead.





 56, 34.858,  
342.138


 56, 34.858,  
342.138


 100, 34.858,  
342.138


 46, 34.858,  
342.138


 76, 34.858,  
342.138

 36, 34.858,  
342.138

 86, 34.858,  
342.138

 26, 34.858,  
342.138

 96, 34.858,  
342.138

 16, 34.858,  
342.138

 6, 34.858, 342.138

 0, 34.858, 342.138

56, 34.858,  
342.138

56, 34.858,  
342.138

52, 43.573,  
343.235

60, 25.727,  
341.163

48, 51.506,  
344.495

65, 16.463,  
340.277

45, 58.210,  
345.983

70, 7.251, 339.448

43, 63.233,  
347.785

75, 1.792, 158.949

41, 66.254,  
350.018

80, 10.598,  
158.103


40, 67.383,  
352.765

85, 19.136,  
157.450

40, 67.552,  
353.342

90, 27.394,  
156.850

94, 33.774,  
157.072

 95, 31.219,  
162.079

# Harmonies

# Complementary

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



56, 34.858, 342.138



68, 33.974, 155.441

# Rectangle

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



56, 34.858, 342.138



56, 34.858, 32.138



56, 34.858, 162.138



56, 34.858, 212.138

# Sweetspot

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



56, 34.856, 342.139



87, 12.440, 339.711



53, 41.150, 307.706



46, 8.436, 339.822



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



56, 34.856, 342.139



68, 51.996, 343.096



55, 29.196, 15.400



36, 5.195, 339.559



34, 60.403, 352.927



3, 12.959, 345.341



# Inverse Universe

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



56, 34.856, 342.139



68, 51.996, 343.096



69, 23.611, 188.219



36, 5.195, 339.559



34, 60.403, 352.927

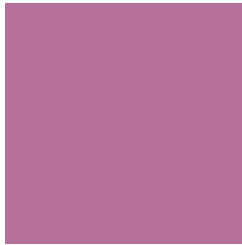


3, 12.959, 345.341



# Previews

## White Background



This preview shows how the CIELCh color 56, 34.858, 342.138 looks on a white background.

## Color Contrast Check

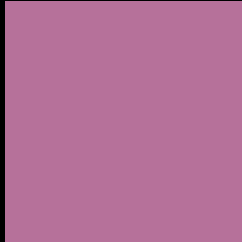
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.858, 342.138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

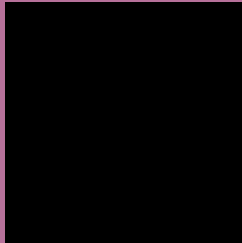
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 56, 34.858, 342.138

## Background



This preview shows how black text looks on a background with the CIELCh color 56, 34.858, 342.138.

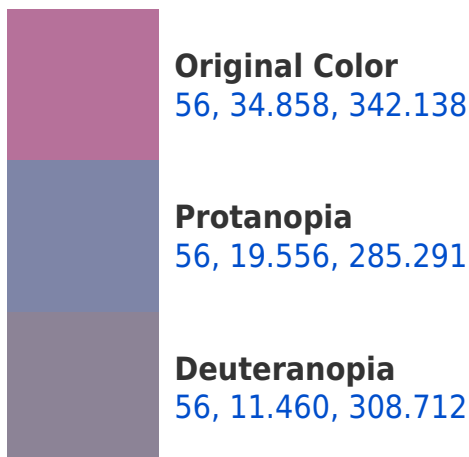


This preview shows how white text looks on a background with the CIELCh color 56, 34.858, 342.138.

# 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, 25.252, 10.888

# Trichromacy



**Original Color**  
56, 34.858, 342.138

**Protanomaly**  
56, 22.025, 311.957

**Deuteranomaly**  
56, 19.531, 329.320

**Tritanomaly**  
56, 27.777, 357.634

# Monochromacy



**Original Color**  
56, 34.858, 342.138

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
57, 13.023, 339.838

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 34.858, 342.138 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, 113, 154)` looks like.

```
.text, #text, p{  
    color:rgb(182, 113, 154)  
}
```

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, 113, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 113, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 34.858, 342.138 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, 113, 154) }
```

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

```
.border{ border-color:rgb(182, 113, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 113, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 113, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 113, 154);  
box-shadow:4px 4px 4px 4px rgb(182, 113,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 34.858, 342.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 113, 154) }
```

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

```
.background{ background-color: rgb(182,  
113, 154) }
```

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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