

Converting Colors

CIELCh(34, 58.292, 310.043)

Have a look what the booklet for
CIELCh(34, 58.292, 310.043)
contains.

CIELCh(34, 58.361, 310.063)	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(34, 58.361, 310.063)

Conversions

Conversions Part 1

Format	Color
Hex	633B98
RGB	99, 59, 152
RGB Percent	39%, 23%, 60%
CMY	0.6126, 0.7694, 0.4048
CMYK	0.35, 0.61, 0.00, 0.40
HSL	266°, 44%, 41%
HSV	266°, 61%, 60%
XYZ	12.3254, 8.0082, 30.5083
YIQ	81.5620, -6.0130, 37.4030

Conversions

Conversions Part 2

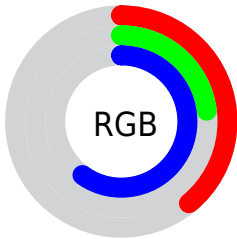
Format	Color
R_{YB}	99, 59, 152
Decimal	6503320
CIE _{Lab}	34.00, 37.56, -44.67
CIE _{LCh}	34, 58.361, 310.063
Yxy	8.0082, 0.2424, 0.1575
Android (android.graphics.Color)	4284693400 (0xFF633B98)
YUV	81.5620, 34.7259, 15.2931
Hunter-Lab	28.2988, 28.2221, -44.1100

Details

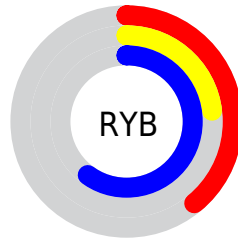
The CIELCh color **34, 58.361, 310.063** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **58, 52.387, 123.869**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 58.515, 310.083**, and **14, 58.281, 310.062** is the 20% darker color. If you saturate the color by 10%, you get **30, 67.488, 310.554**, and if you desaturate by 10%, it is **38, 48.692, 309.471**.

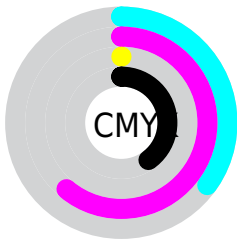
Distribution



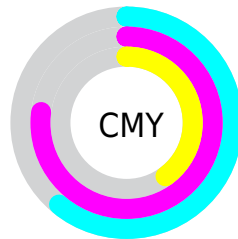
- Red (39%)
- Green (23%)
- Blue (60%)



- Red (39%)
- Yellow (23%)
- Blue (60%)



- Cyan (35%)
- Magenta (61%)
- Yellow (0%)
- Black (40%)





- Cyan (61%)
- Magenta (77%)
- Yellow (40%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 58.361, 310.063 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 34, 58.361, 310.063 by changing the saturation by 10% instead.

 34, 58.361,
310.063

 34, 58.361,
310.063

 100, 58.361,
310.063

 24, 58.361,
310.063

 54, 58.361,
310.063

 14, 58.361,
310.063

 64, 58.361,
310.063

 4, 58.361, 310.063

 74, 58.361,
310.063

 0, 58.361, 310.063

 84, 58.361,
310.063

 94, 58.361,
310.063

■ 34, 58.361,
310.063

■ 34, 58.361,
310.063

■ 30, 67.488,
310.554

■ 38, 48.692,
309.471

■ 26, 75.504,
310.842

■ 43, 38.861,
308.846

■ 24, 81.696,
310.802

■ 48, 29.092,
308.232

■ 22, 85.840,
310.592

■ 53, 19.511,
307.651

■ 57, 10.180,
307.115

■ 62, 1.125, 306.574

■ 67, 7.647, 126.225

■ 72, 16.140,
125.842

■ 77, 24.363,
125.509

Harmonies

Complementary

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



34, 58.361, 310.063



58, 52.387, 123.869

Rectangle

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



34, 58.361, 310.063



34, 58.361, 0.063



34, 58.361, 130.063



34, 58.361, 180.063

Sweetspot

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



34, 58.360, 310.063



69, 20.294, 307.491



46, 27.049, 257.689



35, 14.270, 307.640



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



34, 58.360, 310.063



38, 85.924, 310.706



40, 60.097, 324.842



30, 5.130, 307.012



20, 80.964, 310.669



1, 5.466, 306.324

Inverse Universe

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



39, 46.045, 346.261



47, 64.554, 348.693



56, 60.116, 137.750



30, 4.390, 340.720



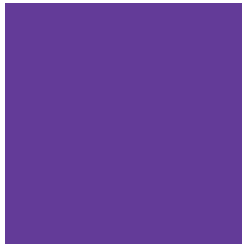
30, 55.533, 354.691



1, 4.669, 340.528

Previews

White Background



This preview shows how the CIELCh color 34, 58.361, 310.063 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 34, 58.361, 310.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

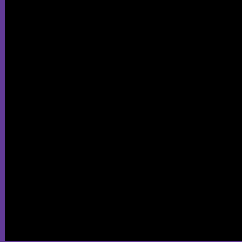
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 58.361, 310.063

Background



This preview shows how black text looks on a background with the CIELCh color 34, 58.361, 310.063.



This preview shows how white text looks on a background with the CIELCh color 34, 58.361, 310.063.

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

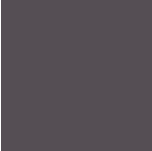
34, 58.361, 310.063

Protanopia

34, 54.630, 286.500

Deuteranopia

34, 40.811, 275.818



Tritanopia
34, 4.833, 329.025

Trichromacy



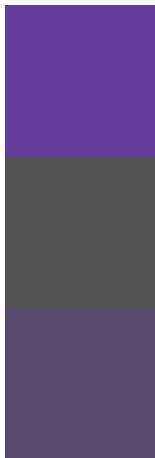
Original Color
34, 58.361, 310.063

Protanomaly
32, 56.485, 292.033

Deuteranomaly
33, 46.152, 286.844

Tritanomaly
34, 25.053, 310.687

Monochromacy



Original Color
34, 58.361, 310.063

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 22.135, 307.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 58.361, 310.063 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(99, 59, 152)` looks like.

```
.text, #text, p{  
  color:rgb(99, 59, 152)  
}
```

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(99, 59, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 59, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 58.361, 310.063 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(99, 59, 152) }
```

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

```
.border{ border-color:rgb(99, 59, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 59, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 59, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 59, 152);  
box-shadow:4px 4px 4px 4px rgb(99, 59,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 58.361, 310.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 59, 152) }
```

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

```
.background{ background-color: rgb(99, 59,  
152) }
```

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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