

Converting Colors

CIELCh(34, 1.942, 359.824)

Have a look what the booklet for
CIELCh(34, 1.942, 359.824) contains.

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Color

CIELCh(34, 1.851, 359.782)

Conversions

Conversions Part 1

Format	Color
Hex	534F50
RGB	83, 79, 80
RGB Percent	33%, 31%, 31%
CMY	0.6745, 0.6902, 0.6863
CMYK	0.00, 0.05, 0.04, 0.67
HSL	345°, 2%, 32%
HSV	345°, 5%, 33%
XYZ	7.8094, 8.0082, 8.7217
YIQ	80.3100, 2.0630, 1.1590

Conversions

Conversions Part 2

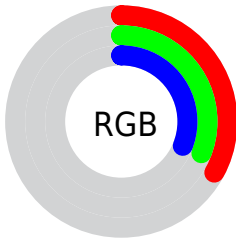
Format	Color
RYB	83, 79, 80
Decimal	5459792
CIELab	34.00, 1.85, -0.01
CIELCh	34, 1.851, 359.782
Yxy	8.0082, 0.3182, 0.3263
Android (android.graphics.Color)	4283649872 (0xFF534F50)
YUV	80.3100, -0.1528, 2.3591
Hunter-Lab	28.2988, -0.2638, 1.5359

Details

The CIELCh color $[34, 1.851, 359.782]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[35, 1.819, 179.286]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 1.700, 359.571]$, and $[14, 1.646, 354.168]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 5.810, 0.821]$, and if you desaturate by 10%, it is $[37, 1.940, 179.270]$.

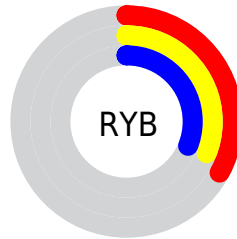
Distribution



Red (33%)

Green (31%)

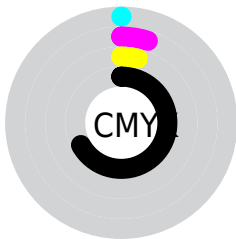
Blue (31%)



Red (33%)

Yellow (31%)

Blue (31%)

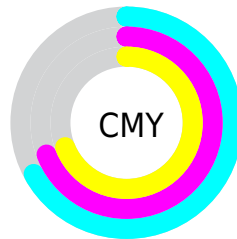


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (67%)



Cyan (67%)

Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 1.851, 359.782 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, 1.851, 359.782 by changing the saturation by 10% instead.

 34, 1.851, 359.782  34, 1.851, 359.782

100, 1.851,
359.782  24, 1.851, 359.782

 54, 1.851, 359.782  14, 1.851, 359.782

 64, 1.851, 359.782  4, 1.851, 359.782

 74, 1.851, 359.782  0, 1.851, 359.782

 84, 1.851, 359.782

 94, 1.851, 359.782

 34, 1.851, 359.782  34, 1.851, 359.782

 31, 5.810, 0.821  37, 1.940, 179.270

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 29, 9.924, 1.903	 39, 5.557, 178.462
 26, 14.158, 3.156	 42, 9.005, 177.797
 24, 18.449, 4.642	 45, 12.296, 177.205
 22, 22.701, 6.439	 48, 15.439, 176.667
 20, 26.785, 8.644	 50, 18.448, 176.176
 18, 30.549, 11.378	 53, 21.335, 175.724
 17, 33.856, 14.764	 56, 24.111, 175.306
 15, 36.877, 18.539	 59, 26.786, 174.918

Harmonies

Complementary

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



34, 1.851, 359.782



35, 1.819, 179.286

Rectangle

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



34, 1.851, 359.782



34, 1.851, 49.782



34, 1.851, 179.782



34, 1.851, 229.782

Sweetspot

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



34, 1.850, 359.803



45, 0.472, 358.962



34, 2.834, 317.444



22, 0.265, 358.877



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



34, 1.850, 359.803



43, 2.852, 359.955



34, 1.441, 45.031



15, 1.485, 359.943



20, 45.795, 22.166



49, 84.436, 26.404

Inverse Universe

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



34, 1.850, 359.803



43, 2.852, 359.955



35, 1.407, 225.826



15, 1.485, 359.943



20, 45.795, 22.166



49, 84.436, 26.404

Previews

White Background



This preview shows how the CIELCh color 34, 1.851, 359.782 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, 1.851, 359.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

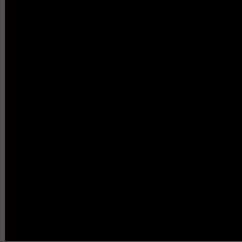
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

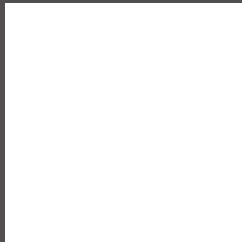
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 1.851, 359.782

Background



This preview shows how black text looks on a background with the CIELCh color 34, 1.851, 359.782.

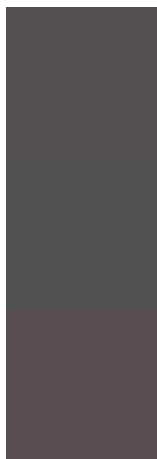


This preview shows how white text looks on a background with the CIELCh color 34, 1.851, 359.782.

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, 1.851, 359.782

Protanopia

34, 0.432, 18.808

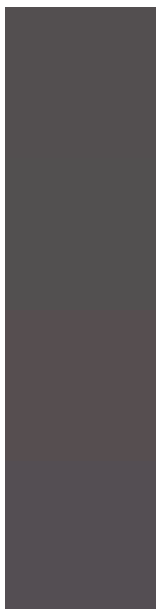
Deuteranopia

34, 4.763, 356.917



Tritanopia
34, 4.579, 324.769

Trichromacy



Original Color

34, 1.851, 359.782

Protanomaly

34, 0.865, 19.203

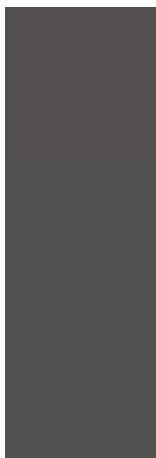
Deuteranomaly

34, 3.714, 0.253

Tritanomaly

34, 4.079, 329.745

Monochromacy



Original Color

34, 1.851, 359.782

Achromatopsia

34, 0.005, 296.813

Achromatomaly

34, 0.432, 18.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 1.851, 359.782 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(83, 79, 80)` looks like.

```
.text, #text, p{  
    color:rgb(83, 79, 80)  
}
```

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(83, 79, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 79, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 1.851, 359.782 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(83, 79, 80) }
```

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

```
.border{ border-color:rgb(83, 79, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 79, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 79, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 79, 80);  
box-shadow:4px 4px 4px 4px rgb(83, 79, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 1.851, 359.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 79, 80) }
```

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

```
.background{ background-color: rgb(83, 79,  
80) }
```

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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