

Converting Colors

CIELCh(35, 33.272, 108.609)

Have a look what the booklet for
CIELCh(35, 33.272, 108.609)
contains.

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Color

CIELCh(35, 33.348, 108.850)

Conversions

Conversions Part 1

Format	Color
Hex	51561D
RGB	81, 86, 29
RGB Percent	32%, 34%, 11%
CMY	0.6823, 0.6626, 0.8862
CMYK	0.06, 0.00, 0.66, 0.66
HSL	65°, 50%, 23%
HSV	65°, 66%, 34%
XYZ	6.9470, 8.4984, 2.4381
YIQ	78.0070, 15.3170, -18.7870

Conversions

Conversions Part 2

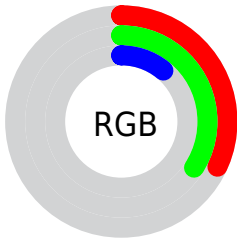
Format	Color
R_{YB}	29, 86, 34
Decimal	5330461
CIE _{Lab}	35.00, -10.77, 31.56
CIE _{LCh}	35, 33.348, 108.850
Yxy	8.4984, 0.3885, 0.4752
Android (android.graphics.Color)	4283520541 (0xFF51561D)
YUV	78.0070, -24.1605, 2.6249
Hunter-Lab	29.1520, -8.4788, 15.4477

Details

The CIELCh color **35, 33.348, 108.850** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 39.796, 301.555**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 33.475, 109.153**, and **15, 23.962, 114.516** is the 20% darker color. If you saturate the color by 10%, you get **35, 37.259, 108.384**, and if you desaturate by 10%, it is **35, 28.908, 109.448**.

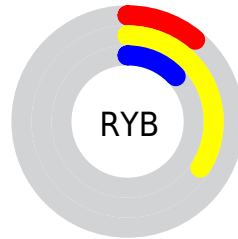
Distribution



Red (32%)

Green (34%)

Blue (11%)



Red (11%)

Yellow (34%)

Blue (13%)

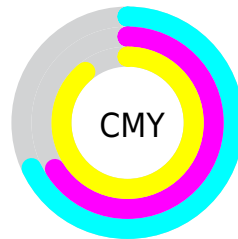


Cyan (6%)

Magenta (0%)

Yellow (66%)

Black (66%)



Cyan (68%)


Magenta (66%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 33.348, 108.850 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 35, 33.348, 108.850 by changing the saturation by 10% instead.


 35, 33.348,
108.850


 35, 33.348,
108.850

 100, 33.348,
108.850


 25, 33.348,
108.850

 55, 33.348,
108.850


 15, 33.348,
108.850


 65, 33.348,
108.850

 5, 33.348, 108.850

 75, 33.348,
108.850

 0, 33.348, 108.850

 85, 33.348,
108.850

 95, 33.348,
108.850

■ 35, 33.348,
108.850

■ 35, 33.348,
108.850

■ 35, 37.259,
108.384

■ 35, 28.908,
109.448

■ 35, 40.432,
108.094

■ 35, 24.111,
110.129

■ 35, 43.075,
107.921

■ 36, 19.080,
110.862

■ 35, 44.137,
107.832

■ 36, 13.905,
111.622

■ 36, 8.642, 112.391

■ 36, 3.331, 113.152

■ 37, 2.000, 293.914

■ 37, 7.333, 294.634

■ 37, 12.653,

Harmonies

Complementary

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



35, 33.348, 108.850



15, 39.796, 301.555

Rectangle

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



35, 33.348, 108.850



35, 33.348, 158.850



35, 33.348, 288.850



35, 33.348, 338.850

Sweetspot

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



35, 33.348, 108.852



47, 13.216, 112.051



21, 28.249, 32.434



23, 8.913, 111.924



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



35, 33.348, 108.852



45, 47.453, 108.174



33, 37.012, 129.216



18, 2.997, 112.961



43, 51.443, 107.971



89, 91.508, 108.308

Inverse Universe

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



15, 39.796, 301.555



16, 60.314, 304.147



18, 39.696, 314.576



16, 3.055, 294.331



10, 70.118, 306.780



30, 125.177, 306.511

Previews

White Background



This preview shows how the CIELCh color 35, 33.348, 108.850 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 35, 33.348, 108.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

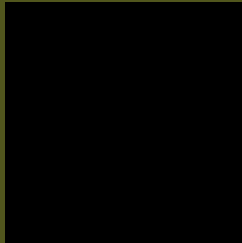
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 33.348, 108.850

Background



This preview shows how black text looks on a background with the CIELCh color 35, 33.348, 108.850.



This preview shows how white text looks on a background with the CIELCh color 35, 33.348, 108.850.

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


35, 33.348, 108.850

Protanopia

35, 32.306, 95.562

Deuteranopia

35, 30.955, 80.725



Tritanopia
35, 5.312, 324.819

Trichromacy



Original Color
35, 33.348, 108.850

Protanomaly
35, 32.432, 100.117

Deuteranomaly
35, 30.784, 91.548

Tritanomaly
35, 10.020, 100.543

Monochromacy



Original Color
35, 33.348, 108.850

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 13.069, 111.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 33.348, 108.850 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(81, 86, 29)` looks like.

```
.text, #text, p{  
    color:rgb(81, 86, 29)  
}
```

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(81, 86, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 86, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 33.348, 108.850 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(81, 86, 29) }
```

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

```
.border{ border-color:rgb(81, 86, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 86, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 86, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 86, 29);  
box-shadow:4px 4px 4px 4px rgb(81, 86, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 33.348, 108.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 86, 29) }
```

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

```
.background{ background-color: rgb(81, 86,  
29) }
```

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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