

Converting Colors

CIELCh(34, 35.821, 135.673)

Have a look what the booklet for
CIELCh(34, 35.821, 135.673)
contains.

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Color

CIELCh(34, 35.659, 135.804)

Conversions

Conversions Part 1

Format	Color
Hex	305926
RGB	48, 89, 38
RGB Percent	19%, 35%, 15%
CMY	0.8099, 0.6491, 0.8492
CMYK	0.46, 0.00, 0.57, 0.65
HSL	108°, 40%, 25%
HSV	108°, 57%, 35%
XYZ	5.2114, 8.0082, 3.1425
YIQ	70.9270, -8.0650, -24.5530

Conversions

Conversions Part 2

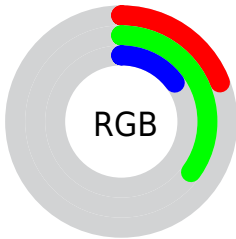
Format	Color
RYB	38, 89, 79
Decimal	3168550
CIELab	34.00, -25.57, 24.86
CIElCh	34, 35.659, 135.804
Yxy	8.0082, 0.3185, 0.4894
Android (android.graphics.Color)	4281358630 (0xFF305926)
YUV	70.9270, -16.2330, -20.1070
Hunter-Lab	28.2988, -16.6510, 13.2251

Details

The CIELCh color $34, 35.659, 135.804$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $23, 36.345, 321.111$, and the grayscale version is $30, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 35.654, 135.685$, and $14, 31.275, 139.849$ is the 20% darker color. If you saturate the color by 10%, you get $34, 41.136, 135.204$, and if you desaturate by 10%, it is $35, 29.752, 136.438$.

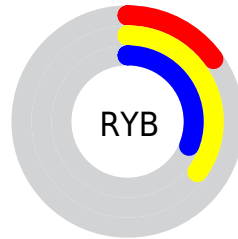
Distribution



Red (19%)

Green (35%)

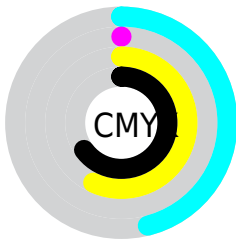
Blue (15%)



Red (15%)

Yellow (35%)

Blue (31%)

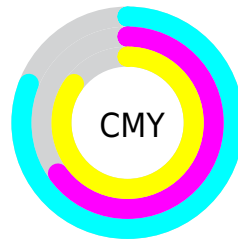


Cyan (46%)

Magenta (0%)

Yellow (57%)

Black (65%)



Cyan (81%)


Magenta (65%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 35.659, 135.804 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, 35.659, 135.804 by changing the saturation by 10% instead.


 34, 35.659,
135.804


 34, 35.659,
135.804

 100, 35.659,
135.804


 24, 35.659,
135.804

 54, 35.659,
135.804


 14, 35.659,
135.804

 64, 35.659,
135.804

 4, 35.659, 135.804

 74, 35.659,
135.804

 0, 35.659, 135.804

 84, 35.659,
135.804

 94, 35.659,
135.804

■ 34, 35.659,
135.804

■ 34, 35.659,
135.804

■ 34, 41.136,
135.204

■ 35, 29.752,
136.438

■ 33, 45.980,
134.709

■ 35, 23.571,
137.057

■ 33, 49.960,
134.420

■ 36, 17.238,
137.636

■ 33, 53.275,
134.129

■ 37, 10.844,
138.163

■ 33, 54.271,
133.941

■ 37, 4.457, 138.644

■ 38, 1.872, 318.966

■ 39, 8.107, 319.372

■ 40, 14.223,
319.689

■ 41, 20.204,
319.959

Harmonies

Complementary

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



34, 35.659, 135.804



23, 36.345, 321.111

Rectangle

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



34, 35.659, 135.804



34, 35.659, 185.804



34, 35.659, 315.804



34, 35.659, 5.804

Sweetspot

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



34, 35.660, 135.805



48, 13.526, 138.136



34, 25.464, 94.118



24, 8.959, 138.080



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 35.660, 135.805



44, 51.748, 135.029



34, 30.481, 149.211



18, 3.628, 138.558



40, 62.799, 134.218



83, 111.583, 134.836

Inverse Universe

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



23, 36.345, 321.111



28, 52.691, 321.401



24, 30.663, 338.435



17, 3.647, 319.252



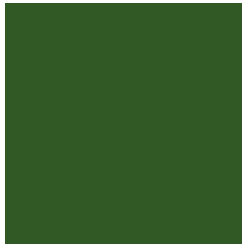
21, 63.132, 321.144



48, 111.471, 320.714

Previews

White Background



This preview shows how the CIELCh color 34, 35.659, 135.804 looks on a white background.

Color Contrast Check

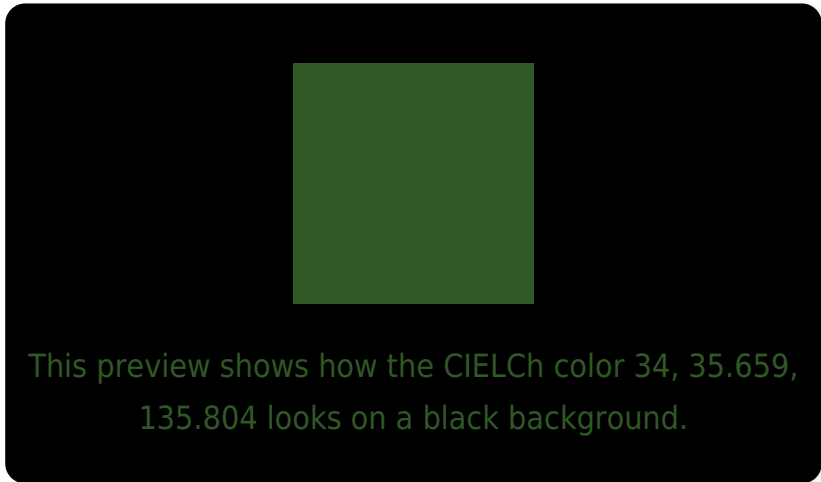
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 35.659, 135.804

Background



This preview shows how black text looks on a background with the CIELCh color 34, 35.659, 135.804.



This preview shows how white text looks on a background with the CIELCh color 34, 35.659, 135.804.

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, 35.659, 135.804

Protanopia

34, 27.605, 95.884

Deuteranopia

34, 24.044, 78.865



Tritanopia
34, 10.627, 222.786

Trichromacy



Original Color
34, 35.659, 135.804

Protanomaly
33, 28.536, 114.197

Deuteranomaly
33, 24.345, 107.053

Tritanomaly
34, 15.647, 163.135

Monochromacy



Original Color
34, 35.659, 135.804

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 13.797, 137.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 35.659, 135.804 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(48, 89, 38)` looks like.

```
.text, #text, p{  
    color:rgb(48, 89, 38)  
}
```

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(48, 89, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 89, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 35.659, 135.804 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(48, 89, 38) }
```

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

```
.border{ border-color:rgb(48, 89, 38) }
```

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

Here you see how a box with a 4 pixel rgb(48, 89, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 89, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 89, 38);  
box-shadow:4px 4px 4px 4px rgb(48, 89, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 35.659, 135.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 89, 38) }
```

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

```
.background{ background-color: rgb(48, 89,  
38) }
```

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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