

Converting Colors

CIELCh(35, 31.058, 151.806)

Have a look what the booklet for
CIELCh(35, 31.058, 151.806)
contains.

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Color

CIELCh(35, 31.085, 151.731)

Conversions

Conversions Part 1

Format	Color
Hex	255D3A
RGB	37, 93, 58
RGB Percent	15%, 36%, 23%
CMY	0.8555, 0.6358, 0.7731
CMYK	0.60, 0.00, 0.38, 0.64
HSL	143°, 43%, 25%
HSV	143°, 60%, 36%
XYZ	5.4198, 8.4984, 5.3402
YIQ	72.2660, -22.1410, -22.7570

Conversions

Conversions Part 2

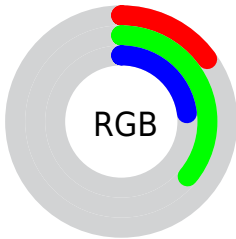
Format	Color
RYB	37, 78, 93
Decimal	2448698
CIELab	35.00, -27.38, 14.72
CIELCh	35, 31.085, 151.731
Yxy	8.4984, 0.2814, 0.4413
Android (android.graphics.Color)	4280638778 (0xFF255D3A)
YUV	72.2660, -7.0331, -30.9283
Hunter-Lab	29.1520, -17.8302, 9.5453

Details

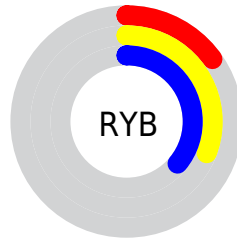
The CIELCh color **35, 31.085, 151.731** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 31.621, 342.611**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 31.443, 151.574**, and **15, 28.236, 146.838** is the 20% darker color. If you saturate the color by 10%, you get **35, 35.483, 150.286**, and if you desaturate by 10%, it is **36, 26.341, 153.010**.

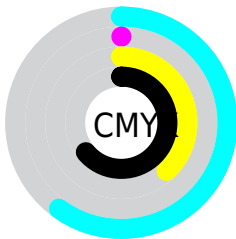
Distribution



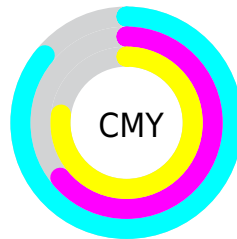
- Red (15%)
- Green (36%)
- Blue (23%)



- Red (15%)
- Yellow (31%)
- Blue (36%)



- Cyan (60%)
- Magenta (0%)
- Yellow (38%)
- Black (64%)





- Cyan (86%)
- Magenta (64%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 31.085, 151.731 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, 31.085, 151.731 by changing the saturation by 10% instead.


 35, 31.085,
151.731


 35, 31.085,
151.731

 100, 31.085,
151.731


 25, 31.085,
151.731

 55, 31.085,
151.731


 15, 31.085,
151.731


 65, 31.085,
151.731

 5, 31.085, 151.731

 75, 31.085,
151.731

 0, 31.085, 151.731

 85, 31.085,
151.731

 95, 31.085,
151.731

■ 35, 31.085,
151.731

■ 35, 31.085,
151.731

■ 35, 35.483,
150.286

■ 36, 26.341,
153.010

■ 34, 39.464,
148.668

■ 36, 21.329,
154.139

■ 34, 42.982,
146.887

■ 37, 16.133,
155.136

■ 34, 46.155,
145.307

■ 38, 10.830,
156.021

■ 38, 5.488, 156.819

■ 39, 0.163, 158.751

■ 40, 5.101, 338.063

■ 42, 10.271,
338.649

■ 43, 15.325,
339.172

Harmonies

Complementary

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



35, 31.085, 151.731



24, 31.621, 342.611

Rectangle

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



35, 31.085, 151.731



35, 31.085, 201.731



35, 31.085, 331.731



35, 31.085, 21.731

Sweetspot

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



35, 31.085, 151.731



48, 11.838, 156.167



37, 34.193, 121.500



24, 8.292, 155.997



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



35, 31.085, 151.731



44, 44.397, 149.679



36, 20.403, 183.495



18, 2.951, 156.935



40, 52.428, 144.819



83, 95.506, 143.334

Inverse Universe

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



24, 31.621, 342.611



29, 44.356, 344.382



23, 27.565, 16.712



17, 2.970, 338.054



23, 47.908, 349.380



52, 83.446, 351.300

Previews

White Background



This preview shows how the CIELCh color 35, 31.085, 151.731 looks on a white background.

Color Contrast Check

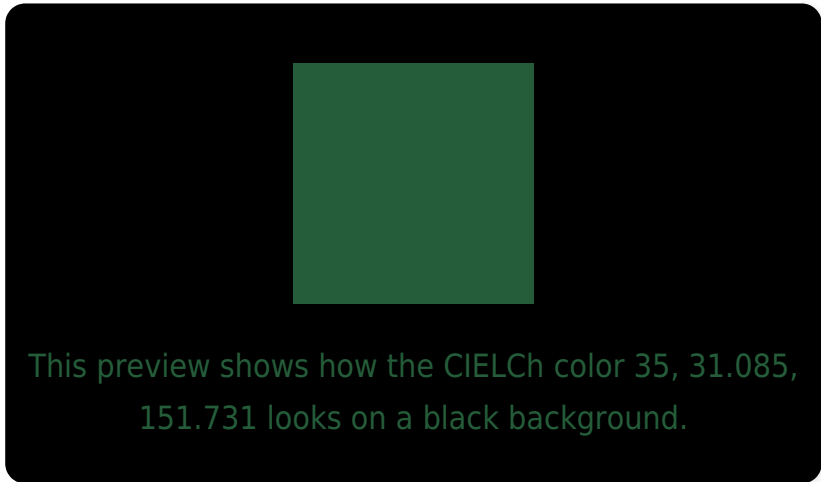
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 31.085, 151.731

Background



This preview shows how black text looks on a background with the CIELCh color 35, 31.085, 151.731.



This preview shows how white text looks on a background with the CIELCh color 35, 31.085, 151.731.

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, 31.085, 151.731

Protanopia
35, 18.188, 96.369

Deuteranopia
35, 14.231, 71.115



Tritanopia
35, 14.643, 215.194

Trichromacy



Original Color
35, 31.085, 151.731

Protanomaly
34, 20.419, 128.098

Deuteranomaly
34, 15.400, 123.230

Tritanomaly
35, 18.284, 178.964

Monochromacy



Original Color
35, 31.085, 151.731

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 12.309, 155.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 31.085, 151.731 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(37, 93, 58)` looks like.

```
.text, #text, p{  
    color:rgb(37, 93, 58)  
}
```

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(37, 93, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 93, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 31.085, 151.731 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(37, 93, 58) }
```

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

```
.border{ border-color:rgb(37, 93, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 93, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 93, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 93, 58);  
box-shadow:4px 4px 4px 4px rgb(37, 93, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 31.085, 151.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 93, 58) }
```

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

```
.background{ background-color: rgb(37, 93,  
58) }
```

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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