

Converting Colors

CIELCh(33, 55.913, 135.370)

Have a look what the booklet for
CIELCh(33, 55.913, 135.370)
contains.

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Color

CIELCh(33, 55.883, 135.291)

Conversions

Conversions Part 1

Format	Color
Hex	075B00
RGB	7, 91, 0
RGB Percent	3%, 36%, 0%
CMY	0.9721, 0.6429, 0.9998
CMYK	0.92, 0.00, 1.00, 0.64
HSL	115°, 100%, 18%
HSV	115°, 100%, 36%
XYZ	3.8349, 7.5373, 1.2542
YIQ	55.5100, -20.8530, -46.1090

Conversions

Conversions Part 2

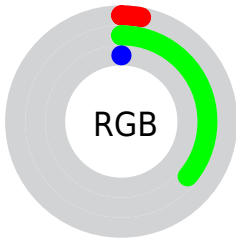
Format	Color
RYB	0, 91, 84
Decimal	482048
CIELab	33.00, -39.72, 39.31
CIELCh	33, 55.883, 135.291
Yxy	7.5373, 0.3037, 0.5969
Android (android.graphics.Color)	4278672128 (0xFF075B00)
YUV	55.5100, -27.3664, -42.5433
Hunter-Lab	27.4541, -23.1110, 16.5092

Details

The CIELCh color **33, 55.883, 135.291** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **19, 54.692, 325.413**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 55.865, 135.387**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 55.903, 135.286**, and if you desaturate by 10%, it is **33, 52.770, 136.089**.

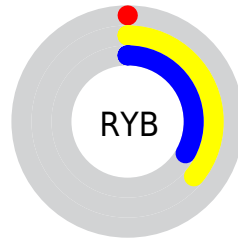
Distribution



Red (3%)

Green (36%)

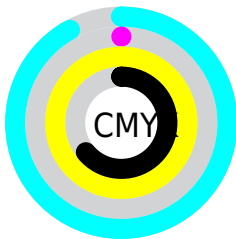
Blue (0%)



Red (0%)

Yellow (36%)

Blue (33%)

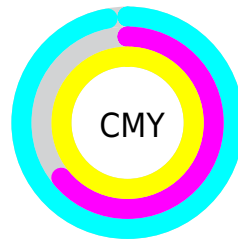


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (64%)



Cyan (97%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 55.883, 135.291 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 33, 55.883, 135.291 by changing the saturation by 10% instead.


 33, 55.883,
135.291


 33, 55.883,
135.291

 100, 55.883,
135.291


 23, 55.883,
135.291

 53, 55.883,
135.291


 13, 55.883,
135.291


 63, 55.883,
135.291

 3, 55.883, 135.291

 73, 55.883,
135.291

 0, 55.883, 135.291

 83, 55.883,
135.291

 93, 55.883,
135.291

■ 33, 55.883,
135.291

■ 33, 55.883,
135.291

■ 33, 55.903,
135.286

■ 33, 52.770,
136.089

■ 33, 49.182,
136.663

■ 34, 44.553,
137.425

■ 34, 39.122,
138.272

■ 35, 33.116,
139.121

■ 35, 26.726,
139.923

■ 36, 20.108,
140.653

■ 37, 13.381,

141.302

■ 38, 6.640, 141.877

Harmonies

Complementary

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



33, 55.883, 135.291



19, 54.692, 325.413

Rectangle

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



33, 55.883, 135.291



33, 55.883, 185.291



33, 55.883, 315.291



33, 55.883, 5.291

Sweetspot

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



33, 55.883, 135.292



46, 24.822, 140.585



35, 43.191, 97.642



23, 16.754, 140.400



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 55.883, 135.292



43, 66.980, 135.465



33, 43.837, 147.057



18, 3.766, 141.937



40, 63.802, 135.421



82, 112.969, 135.754

Inverse Universe

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



19, 54.692, 325.413



25, 65.405, 325.328



18, 41.400, 351.897



17, 3.777, 322.726



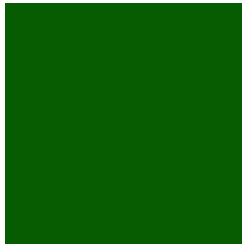
23, 62.336, 325.349



53, 109.917, 325.165

Previews

White Background



This preview shows how the CIELCh color 33, 55.883, 135.291 looks on a white background.

Color Contrast Check

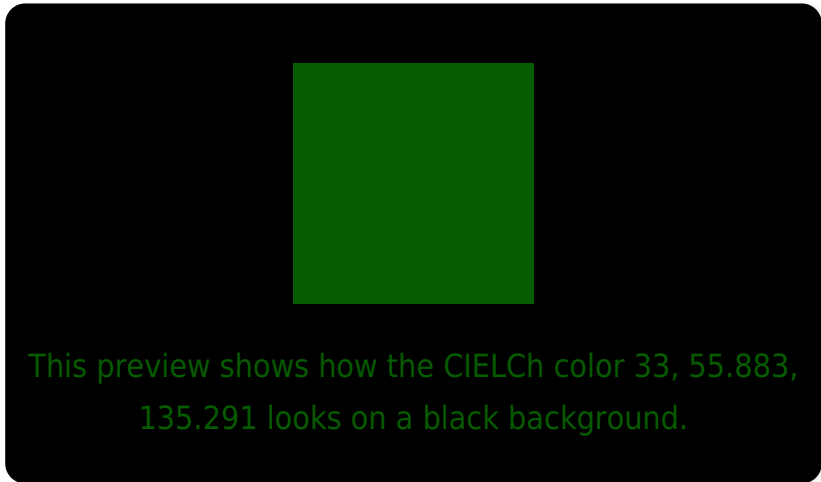
Large Text (above 18pt) WCAG AA ✓ Pass

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

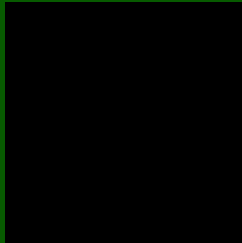
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 55.883, 135.291

Background



This preview shows how black text looks on a background with the CIELCh color 33, 55.883, 135.291.



This preview shows how white text looks on a background with the CIELCh color 33, 55.883, 135.291.

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

33, 55.883, 135.291

Protanopia

33, 41.439, 95.583

Deuteranopia

33, 34.619, 82.956



Tritanopia
33, 16.084, 211.097

Trichromacy



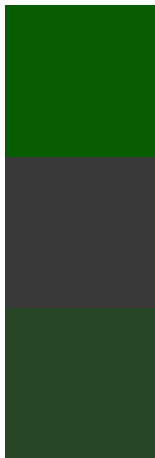
Original Color
33, 55.883, 135.291

Protanomaly
32, 44.754, 118.200

Deuteranomaly
32, 38.255, 114.941

Tritanomaly
33, 29.247, 157.204

Monochromacy



Original Color
33, 55.883, 135.291

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 25.435, 139.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 55.883, 135.291 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(7, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 91, 0)  
}
```

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(7, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 91, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 55.883, 135.291 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(7, 91, 0) }
```

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

```
.border{ border-color:rgb(7, 91, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 91, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 91, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 91, 0); box-shadow:4px  
4px 4px 4px rgb(7, 91, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 55.883, 135.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 91, 0) }
```

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

```
.background{ background-color: rgb(7, 91,  
0) }
```

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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