

Converting Colors

CIELCh(33, 56.048, 135.056)

Have a look what the booklet for
CIELCh(33, 56.048, 135.056)
contains.

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Color

CIELCh(33, 55.805, 135.187)

Conversions

Conversions Part 1

Format	Color
Hex	085B00
RGB	8, 91, 0
RGB Percent	3%, 36%, 0%
CMY	0.9685, 0.6431, 0.9999
CMYK	0.91, 0.00, 1.00, 0.64
HSL	115°, 100%, 18%
HSV	115°, 100%, 36%
XYZ	3.8434, 7.5373, 1.2528
YIQ	55.8090, -20.2570, -45.8970

Conversions

Conversions Part 2

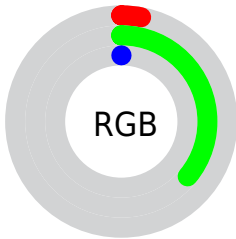
Format	Color
RYB	0, 91, 83
Decimal	547584
CIELab	33.00, -39.59, 39.33
CIELCh	33, 55.805, 135.187
Yxy	7.5373, 0.3042, 0.5966
Android (android.graphics.Color)	4278737664 (0xFF085B00)
YUV	55.8090, -27.5138, -41.9285
Hunter-Lab	27.4541, -23.0556, 16.5123

Details

The CIELCh color **33, 55.805, 135.187** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **18, 54.733, 325.034**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 55.687, 135.120**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 55.813, 135.185**, and if you desaturate by 10%, it is **33, 52.677, 135.963**.

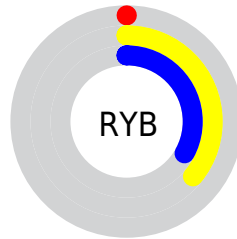
Distribution



Red (3%)

Green (36%)

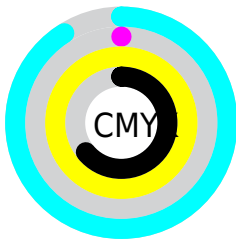
Blue (0%)



Red (0%)

Yellow (36%)

Blue (33%)

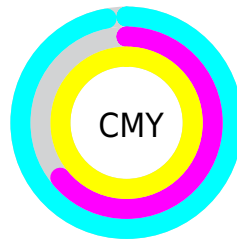


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (64%)



Cyan (97%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 55.805, 135.187 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, 55.805, 135.187 by changing the saturation by 10% instead.


 33, 55.805,
135.187


 33, 55.805,
135.187

 100, 55.805,
135.187


 23, 55.805,
135.187

 53, 55.805,
135.187


 13, 55.805,
135.187


 63, 55.805,
135.187

 3, 55.805, 135.187

 73, 55.805,
135.187

 0, 55.805, 135.187

 83, 55.805,
135.187

 93, 55.805,
135.187

■ 33, 55.805,
135.187

■ 33, 55.805,
135.187

■ 33, 55.813,
135.185

■ 33, 52.677,
135.963

■ 33, 49.077,
136.501

■ 34, 44.445,
137.232

■ 34, 39.018,
138.051

■ 35, 33.024,
138.879

■ 35, 26.653,
139.664

■ 36, 20.058,
140.380

■ 37, 13.356,

141.019

■ 38, 6.640, 141.586

Harmonies

Complementary

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



33, 55.805, 135.187



18, 54.733, 325.034

Rectangle

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



33, 55.805, 135.187



33, 55.805, 185.187



33, 55.805, 315.187



33, 55.805, 5.187

Sweetspot

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



33, 55.805, 135.188



46, 24.738, 140.316



34, 42.746, 96.502



23, 16.697, 140.135



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, 55.805, 135.188



43, 66.912, 135.390



33, 44.490, 146.359



18, 3.753, 141.647



40, 63.732, 135.340



82, 112.889, 135.703

Inverse Universe

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



18, 54.733, 325.034



25, 65.461, 324.938



18, 41.712, 350.599



17, 3.765, 322.426



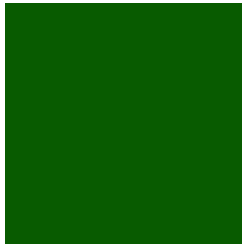
23, 62.389, 324.962



53, 110.020, 324.754

Previews

White Background



This preview shows how the CIELCh color 33, 55.805, 135.187 looks on a white background.

Color Contrast Check

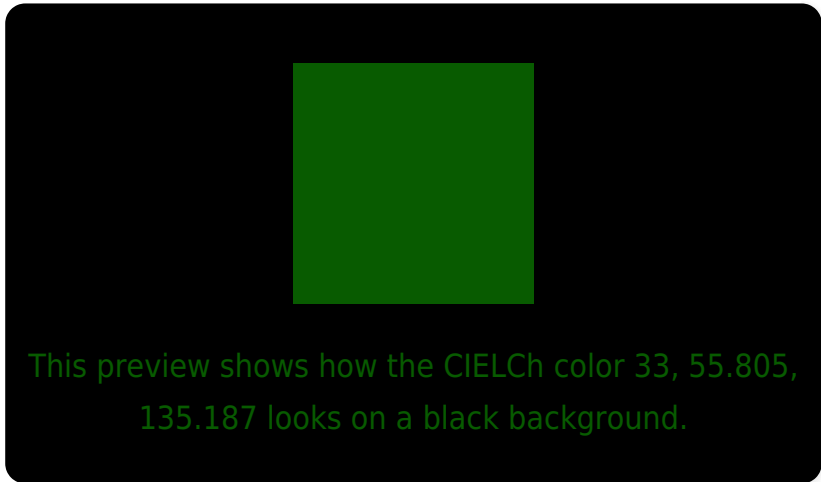
Large Text (above 18pt) WCAG AA ✓ Pass

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

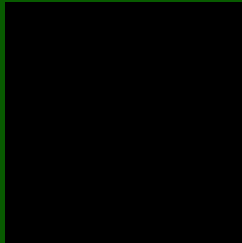
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 55.805, 135.187

Background



This preview shows how black text looks on a background with the CIELCh color 33, 55.805, 135.187.



This preview shows how white text looks on a background with the CIELCh color 33, 55.805, 135.187.

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, 55.805, 135.187

Protanopia

33, 41.439, 95.583

Deuteranopia

33, 34.619, 82.956



Tritanopia
33, 16.084, 211.097

Trichromacy



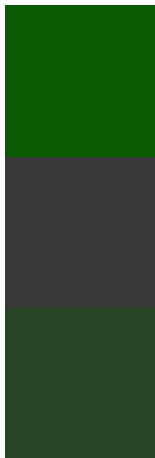
Original Color
33, 55.805, 135.187

Protanomaly
32, 44.754, 118.200

Deuteranomaly
32, 38.255, 114.941

Tritanomaly
33, 29.061, 156.950

Monochromacy



Original Color
33, 55.805, 135.187

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 25.202, 139.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 55.805, 135.187 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(8, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 91, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 55.805, 135.187 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(8, 91, 0) }
```

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

```
.border{ border-color:rgb(8, 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(8, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 91, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 91, 0); box-shadow:4px  
4px 4px 4px rgb(8, 91, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 55.805, 135.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 91, 0) }
```

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

```
.background{ background-color: rgb(8, 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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