

Converting Colors

CIELCh(33, 55.484, 136.969)

Have a look what the booklet for
CIELCh(33, 55.484, 136.969)
contains.

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Color

CIELCh(33, 55.351, 136.818)

Conversions

Conversions Part 1

Format	Color
Hex	005B04
RGB	0, 91, 4
RGB Percent	0%, 36%, 2%
CMY	0.9981, 0.6422, 0.9832
CMYK	0.99, 0.00, 0.95, 0.64
HSL	123°, 99%, 18%
HSV	123°, 99%, 36%
XYZ	3.7918, 7.5373, 1.3777
YIQ	53.8730, -26.3090, -46.3490

Conversions

Conversions Part 2

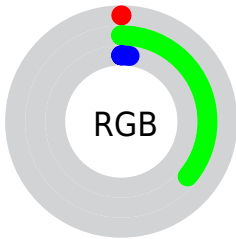
Format	Color
RYB	0, 87, 91
Decimal	23300
CIELab	33.00, -40.36, 37.88
CIELCh	33, 55.351, 136.818
Yxy	7.5373, 0.2984, 0.5932
Android (android.graphics.Color)	4278213380 (0xFF005B04)
YUV	53.8730, -24.5874, -47.2466
Hunter-Lab	27.4541, -23.3915, 16.2425

Details

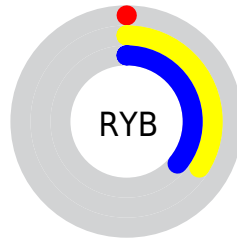
The CIELCh color **33, 55.351, 136.818** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 52.781, 329.836**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 55.180, 136.955**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 55.508, 136.779**, and if you desaturate by 10%, it is **33, 52.396, 137.566**.

Distribution



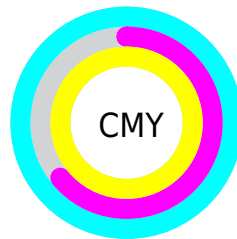
- Red (0%)
- Green (36%)
- Blue (2%)



- Red (0%)
- Yellow (34%)
- Blue (36%)



- Cyan (99%)
- Magenta (0%)
- Yellow (95%)
- Black (64%)





- Cyan (100%)
- Magenta (64%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 55.351, 136.818 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, 55.351, 136.818 by changing the saturation by 10% instead.


 33, 55.351,
136.818


 33, 55.351,
136.818

 100, 55.351,
136.818


 23, 55.351,
136.818

 53, 55.351,
136.818


 13, 55.351,
136.818


 63, 55.351,
136.818

 3, 55.351, 136.818

 73, 55.351,
136.818

 0, 55.351, 136.818

 83, 55.351,
136.818

 93, 55.351,
136.818

■ 33, 55.351,
136.818

■ 33, 55.351,
136.818

■ 33, 55.508,
136.779

■ 33, 52.396,
137.566

■ 33, 48.737,
138.598

■ 34, 44.103,
139.722

■ 34, 38.701,
140.844

■ 35, 32.731,
141.899

■ 35, 26.370,
142.854

■ 36, 19.769,
143.700

■ 37, 13.054,

144.439

■ 38, 6.323, 145.086

Harmonies

Complementary

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



33, 55.351, 136.818



20, 52.781, 329.836

Rectangle

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



33, 55.351, 136.818



33, 55.351, 186.818



33, 55.351, 316.818



33, 55.351, 6.818

Sweetspot

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



33, 55.351, 136.819



47, 25.175, 143.580



37, 45.644, 104.793



23, 17.297, 143.349



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



33, 55.351, 136.819



43, 67.598, 136.581



33, 39.064, 152.730



18, 3.753, 145.125



40, 63.354, 136.641



82, 112.692, 136.265

Inverse Universe

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



20, 52.781, 329.836



27, 64.065, 329.905



18, 39.907, 1.610



17, 3.760, 326.010



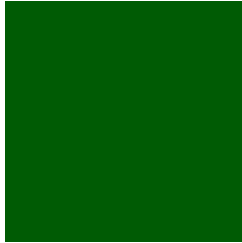
25, 60.147, 329.888



56, 105.800, 330.001

Previews

White Background



This preview shows how the CIELCh color 33, 55.351, 136.818 looks on a white background.

Color Contrast Check

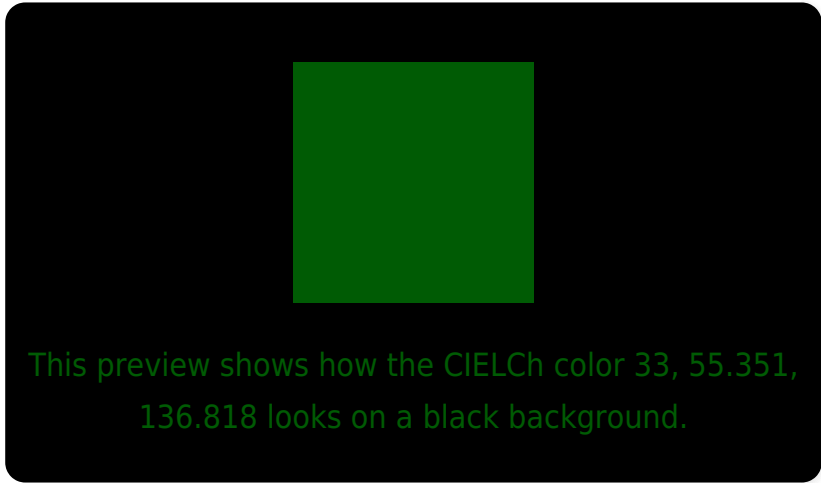
Large Text (above 18pt) WCAG AA ✓ Pass

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

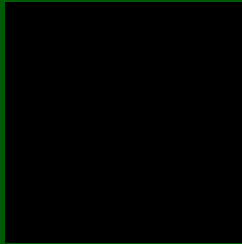
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 55.351, 136.818

Background



This preview shows how black text looks on a background with the CIELCh color 33, 55.351, 136.818.



This preview shows how white text looks on a background with the CIELCh color 33, 55.351, 136.818.

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, 55.351, 136.818

Protanopia

33, 41.439, 95.583

Deuteranopia

33, 34.619, 82.956



Tritanopia
33, 16.353, 213.174

Trichromacy



Original Color
33, 55.351, 136.818

Protanomaly
32, 44.521, 120.202

Deuteranomaly
31, 38.128, 116.513

Tritanomaly
33, 28.895, 159.697

Monochromacy



Original Color
33, 55.351, 136.818

Achromatopsia
23, 0.004, 296.813

Achromatomaly
26, 25.434, 141.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 55.351, 136.818 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(0, 91, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 4)  
}
```

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(0, 91, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 33, 55.351, 136.818 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(0, 91, 4) }
```

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

```
.border{ border-color:rgb(0, 91, 4) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 33, 55.351, 136.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 4) }
```

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

```
.background{ background-color: rgb(0, 91,  
4) }
```

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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