

Converting Colors

CIELCh(33, 53.190, 138.734)

Have a look what the booklet for
CIELCh(33, 53.190, 138.734)
contains.

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Color

CIELCh(33, 53.056, 138.584)

Conversions

Conversions Part 1

Format	Color
Hex	005B0D
RGB	0, 91, 13
RGB Percent	0%, 36%, 5%
CMY	0.9990, 0.6426, 0.9484
CMYK	1.00, 0.00, 0.86, 0.64
HSL	129°, 99%, 18%
HSV	129°, 100%, 36%
XYZ	3.8300, 7.5373, 1.6393
YIQ	54.8990, -29.1980, -43.5500

Conversions

Conversions Part 2

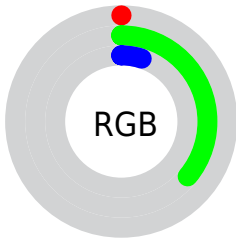
Format	Color
RYB	0, 80, 91
Decimal	23309
CIELab	33.00, -39.79, 35.10
CIElCh	33, 53.056, 138.584
Yxy	7.5373, 0.2945, 0.5795
Android (android.graphics.Color)	4278213389 (0xFF005B0D)
YUV	54.8990, -20.6562, -48.1464
Hunter-Lab	27.4541, -23.1426, 15.6776

Details

The CIELCh color **33, 53.056, 138.584** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **19, 49.079, 334.299**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 52.681, 138.691**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 53.140, 138.563**, and if you desaturate by 10%, it is **33, 49.861, 139.623**.

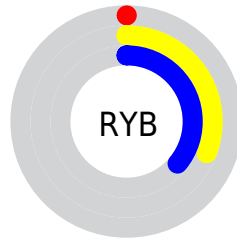
Distribution



Red (0%)

Green (36%)

Blue (5%)



Red (0%)

Yellow (31%)

Blue (36%)

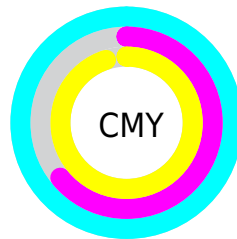


Cyan (100%)

Magenta (0%)

Yellow (86%)

Black (64%)



Cyan (100%)


Magenta (64%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 53.056, 138.584 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, 53.056, 138.584 by changing the saturation by 10% instead.


 33, 53.056,
138.584


 33, 53.056,
138.584

 100, 53.056,
138.584


 23, 53.056,
138.584

 53, 53.056,
138.584


 13, 53.056,
138.584


 63, 53.056,
138.584

 3, 53.056, 138.584

 73, 53.056,
138.584

 0, 53.056, 138.584

 83, 53.056,
138.584

 93, 53.056,
138.584

■ 33, 53.056,
138.584

■ 33, 53.056,
138.584

■ 33, 53.140,
138.563

■ 33, 49.861,
139.623

■ 33, 46.022,
140.992

■ 34, 41.449,
142.332

■ 34, 36.280,
143.583

■ 35, 30.655,
144.717

■ 35, 24.705,
145.723

■ 36, 18.552,
146.604

■ 37, 12.300,

147.374

■ 38, 6.033, 148.051

Harmonies

Complementary

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



33, 53.056, 138.584



19, 49.079, 334.299

Rectangle

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



33, 53.056, 138.584



33, 53.056, 188.584



33, 53.056, 318.584



33, 53.056, 8.584

Sweetspot

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



33, 53.056, 138.585



46, 23.057, 146.504



36, 46.122, 110.404



22, 15.562, 146.282



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, 53.056, 138.585



43, 64.221, 138.072



34, 35.035, 158.733



18, 3.499, 148.107



40, 61.040, 138.189



82, 109.942, 137.286

Inverse Universe

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



19, 49.079, 334.299



26, 58.518, 334.531



17, 39.864, 10.658



17, 3.508, 329.037



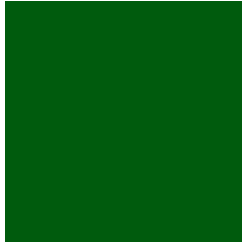
24, 55.818, 334.477



54, 97.719, 334.949

Previews

White Background



This preview shows how the CIELCh color 33, 53.056, 138.584 looks on a white background.

Color Contrast Check

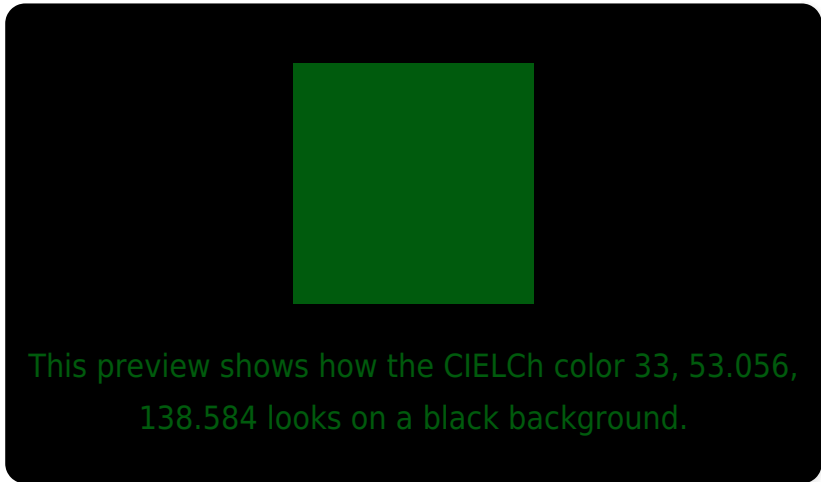
Large Text (above 18pt) WCAG AA ✓ Pass

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

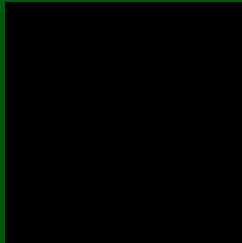
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 53.056, 138.584

Background



This preview shows how black text looks on a background with the CIELCh color 33, 53.056, 138.584.



This preview shows how white text looks on a background with the CIELCh color 33, 53.056, 138.584.

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, 53.056, 138.584

Protanopia

33, 38.325, 95.559

Deuteranopia

33, 33.278, 82.390



Tritanopia
33, 16.353, 213.174

Trichromacy



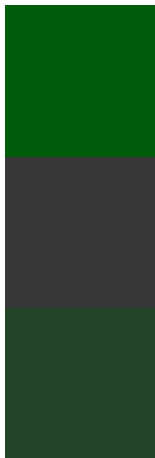
Original Color
33, 53.056, 138.584

Protanomaly
32, 41.730, 121.738

Deuteranomaly
31, 36.305, 118.208

Tritanomaly
33, 27.604, 162.585

Monochromacy



Original Color
33, 53.056, 138.584

Achromatopsia
23, 0.004, 296.813

Achromatomaly
26, 23.388, 145.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 53.056, 138.584 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 53.056, 138.584 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, 13) }
```

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

```
.border{ border-color:rgb(0, 91, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 91, 13); box-shadow:4px  
4px 4px 4px rgb(0, 91, 13) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 53.056, 138.584 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, 13) }
```

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

```
.background{ background-color: rgb(0, 91,  
13) }
```

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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