

Converting Colors

CIELCh(31, 63.578, 149.786)

Have a look what the booklet for
CIELCh(31, 63.578, 149.786)
contains.

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Color

CIELCh(33, 52.005, 139.106)

Conversions

Conversions Part 1

Format	Color
Hex	025B10
RGB	2, 91, 16
RGB Percent	1%, 36%, 6%
CMY	0.9925, 0.6430, 0.9368
CMYK	0.98, 0.00, 0.82, 0.64
HSL	130°, 96%, 18%
HSV	130°, 98%, 36%
XYZ	3.8621, 7.5373, 1.7463
YIQ	55.8390, -28.9690, -42.1930

Conversions

Conversions Part 2

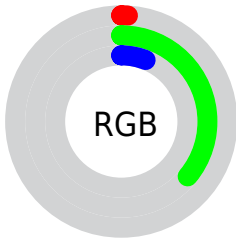
Format	Color
RYB	2, 79, 91
Decimal	154384
CIELab	33.00, -39.31, 34.05
CIELCh	33, 52.005, 139.106
Yxy	7.5373, 0.2938, 0.5734
Android (android.graphics.Color)	4278344464 (0xFF025B10)
YUV	55.8390, -19.6406, -47.2168
Hunter-Lab	27.4541, -22.9344, 15.4465

Details

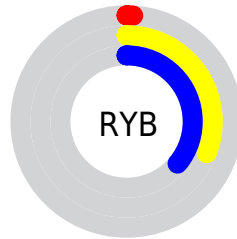
The CIELCh color **33, 52.005, 139.106** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **19, 48.023, 335.053**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 51.832, 139.313**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 52.646, 138.921**, and if you desaturate by 10%, it is **33, 48.667, 140.309**.

Distribution



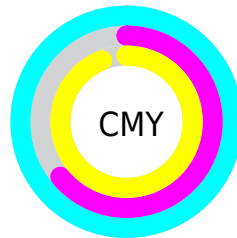
- Red (1%)
- Green (36%)
- Blue (6%)



- Red (1%)
- Yellow (31%)
- Blue (36%)



- Cyan (98%)
- Magenta (0%)
- Yellow (82%)
- Black (64%)





- Cyan (99%)
- Magenta (64%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 52.005, 139.106 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, 52.005, 139.106 by changing the saturation by 10% instead.


 33, 52.005,
139.106


 33, 52.005,
139.106

 100, 52.005,
139.106


 23, 52.005,
139.106

 53, 52.005,
139.106


 13, 52.005,
139.106


 63, 52.005,
139.106

 3, 52.005, 139.106

 73, 52.005,
139.106

 0, 52.005, 139.106

 83, 52.005,
139.106

 93, 52.005,
139.106

■ 33, 52.005,
139.106

■ 33, 52.005,
139.106

■ 33, 52.646,
138.921

■ 33, 48.667,
140.309

■ 33, 44.684,
141.723

■ 34, 40.025,
143.077

■ 34, 34.818,
144.325

■ 35, 29.193,
145.446

■ 35, 23.277,
146.436

■ 36, 17.182,
147.303

■ 37, 11.006,

148.059

■ 38, 4.828, 148.731

Harmonies

Complementary

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



33, 52.005, 139.106



19, 48.023, 335.053

Rectangle

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



33, 52.005, 139.106



33, 52.005, 189.106



33, 52.005, 319.106



33, 52.005, 9.106

Sweetspot

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



33, 52.005, 139.107



46, 22.015, 147.138



36, 45.679, 111.322



23, 14.945, 146.909



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, 52.005, 139.107



43, 63.720, 138.400



34, 33.930, 160.168



18, 3.456, 148.669



40, 60.554, 138.524



82, 109.228, 137.557

Inverse Universe

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



19, 48.023, 335.053



26, 57.769, 335.437



17, 39.418, 11.550



17, 3.465, 329.608



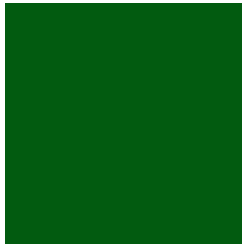
24, 55.108, 335.375



54, 96.403, 335.925

Previews

White Background



This preview shows how the CIELCh color 33, 52.005, 139.106 looks on a white background.

Color Contrast Check

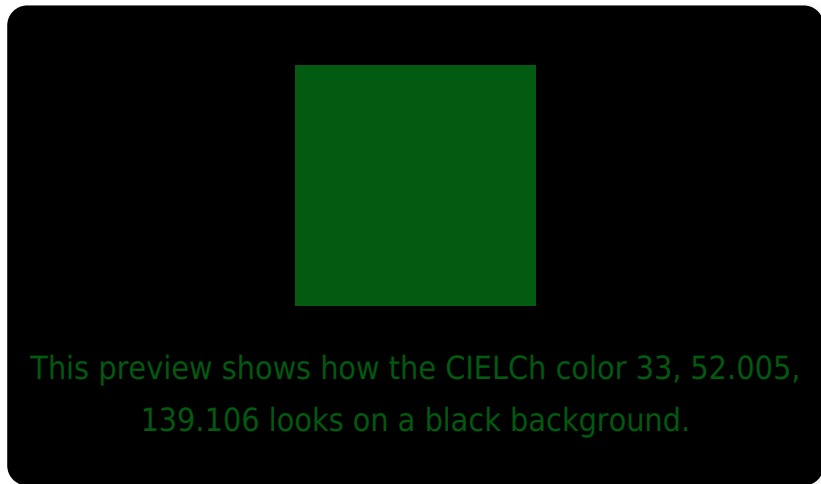
Large Text (above 18pt) WCAG AA ✓ Pass

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

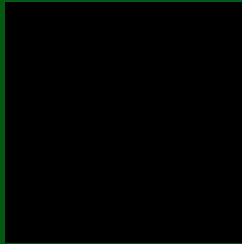
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 52.005, 139.106

Background



This preview shows how black text looks on a background with the CIELCh color 33, 52.005, 139.106.



This preview shows how white text looks on a background with the CIELCh color 33, 52.005, 139.106.

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, 52.022, 139.070

Protanopia

33, 36.992, 95.527

Deuteranopia

33, 32.118, 82.794



Tritanopia
33, 16.353, 213.174

Trichromacy



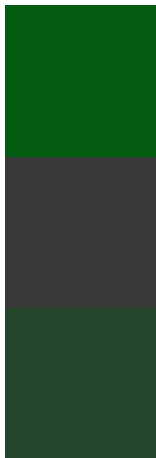
Original Color
33, 52.022, 139.070

Protanomaly
32, 40.598, 121.719

Deuteranomaly
31, 35.015, 118.912

Tritanomaly
33, 27.008, 163.400

Monochromacy



Original Color
33, 52.022, 139.070

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 22.836, 146.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 52.005, 139.106 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(2, 91, 16)` looks like.

```
.text, #text, p{  
    color:rgb(2, 91, 16)  
}
```

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(2, 91, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 91, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 52.005, 139.106 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(2, 91, 16) }
```

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

```
.border{ border-color:rgb(2, 91, 16) }
```

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

Here you see how a box with a 4 pixel rgb(2, 91, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 91, 16); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 91, 16); box-shadow:4px  
4px 4px 4px rgb(2, 91, 16) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 52.005, 139.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 91, 16) }
```

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

```
.background{ background-color: rgb(2, 91,  
16) }
```

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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