

Converting Colors

CIELCh(33, 52.352, 131.076)

Have a look what the booklet for
CIELCh(33, 52.352, 131.076)
contains.

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Color

CIELCh(33, 52.590, 130.965)

Conversions

Conversions Part 1

Format	Color
Hex	1F5A00
RGB	31, 90, 0
RGB Percent	12%, 35%, 0%
CMY	0.8765, 0.6488, 1.0000
CMYK	0.65, 0.00, 1.00, 0.65
HSL	99°, 100%, 18%
HSV	99°, 100%, 35%
XYZ	4.1971, 7.5373, 1.2214
YIQ	62.0990, -6.2740, -40.4980

Conversions

Conversions Part 2

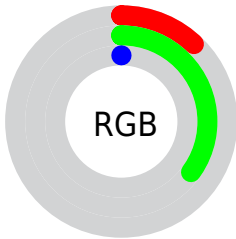
Format	Color
RYB	0, 90, 59
Decimal	2054656
CIELab	33.00, -34.48, 39.71
CIELCh	33, 52.590, 130.965
Yxy	7.5373, 0.3240, 0.5818
Android (android.graphics.Color)	4280244736 (0xFF1F5A00)
YUV	62.0990, -30.6148, -27.2738
Hunter-Lab	27.4541, -20.7560, 16.5800

Details

The CIELCh color **33, 52.590, 130.965** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **13, 56.094, 316.525**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 52.781, 131.100**, and **14, 31.948, 141.246** is the 20% darker color. If you saturate the color by 10%, you get **33, 52.465, 131.050**, and if you desaturate by 10%, it is **33, 49.044, 131.072**.

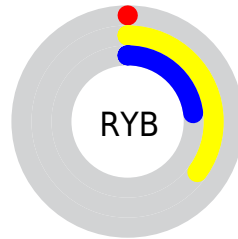
Distribution



Red (12%)

Green (35%)

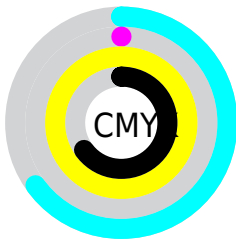
Blue (0%)



Red (0%)

Yellow (35%)

Blue (23%)

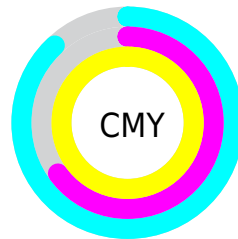


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (88%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 52.590, 130.965 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, 52.590, 130.965 by changing the saturation by 10% instead.


 33, 52.590,
130.965


 33, 52.590,
130.965

 100, 52.590,
130.965


 23, 52.590,
130.965

 53, 52.590,
130.965


 13, 52.590,
130.965


 63, 52.590,
130.965

 3, 52.590, 130.965

 73, 52.590,
130.965

 0, 52.590, 130.965

 83, 52.590,
130.965

 93, 52.590,
130.965

■ 33, 52.590,
130.965

■ 33, 52.590,
130.965

■ 33, 52.465,
131.050

■ 33, 49.044,
131.072

■ 34, 45.364,
130.939

■ 34, 40.842,
131.088

■ 34, 35.695,
131.423

■ 35, 30.120,
131.858

■ 35, 24.271,
132.334

■ 36, 18.262,
132.813

■ 37, 12.175,

133.273

■ 37, 6.072, 133.707

Harmonies

Complementary

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



33, 52.590, 130.965



13, 56.094, 316.525

Rectangle

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



33, 52.590, 130.965



33, 52.590, 180.965



33, 52.590, 310.965



33, 52.590, 0.965

Sweetspot

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



33, 52.465, 131.050



47, 22.804, 132.766



27, 37.982, 74.720



23, 15.392, 132.641



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, 52.465, 131.050



43, 63.780, 131.538



32, 52.664, 138.434



18, 3.470, 133.755



40, 60.714, 131.428



83, 108.150, 132.336

Inverse Universe

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



13, 56.094, 316.525



19, 67.958, 316.198



19, 48.871, 333.877



17, 3.500, 314.401



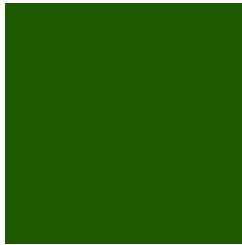
18, 64.741, 316.273



43, 114.606, 315.626

Previews

White Background



This preview shows how the CIELCh color 33, 52.590, 130.965 looks on a white background.

Color Contrast Check

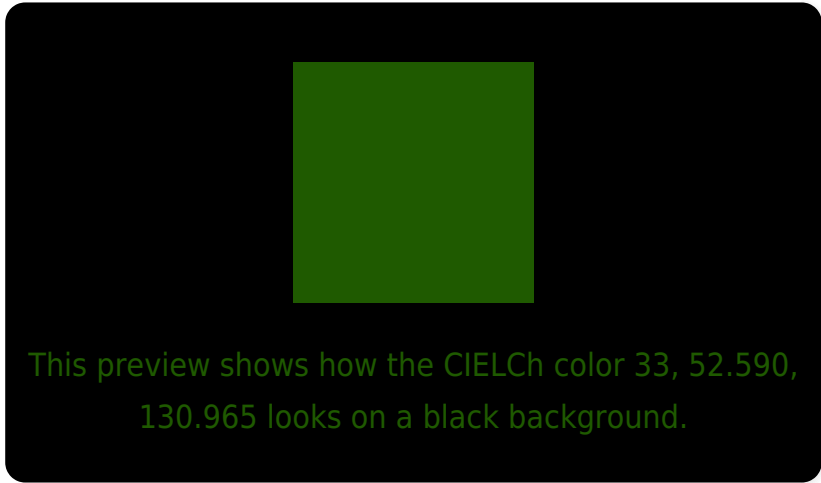
Large Text (above 18pt) WCAG AA ✓ Pass

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

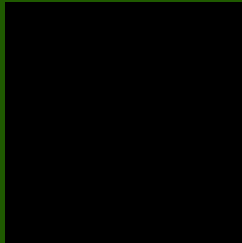
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 52.590, 130.965

Background



This preview shows how black text looks on a background with the CIELCh color 33, 52.590, 130.965.



This preview shows how white text looks on a background with the CIELCh color 33, 52.590, 130.965.

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](#).

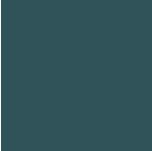
Dichromacy



Original Color
33, 52.744, 131.224

Protanopia
33, 41.439, 95.583

Deuteranopia
33, 35.049, 83.125



Tritanopia
33, 13.266, 217.393

Trichromacy



Original Color
33, 52.744, 131.224

Protanomaly
32, 43.312, 112.925

Deuteranomaly
32, 37.895, 108.164

Tritanomaly
32, 25.157, 151.951

Monochromacy



Original Color
33, 52.744, 131.224

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 23.059, 131.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 52.590, 130.965 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(31, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(31, 90, 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(31, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 90, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 52.590, 130.965 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(31, 90, 0) }
```

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

```
.border{ border-color:rgb(31, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 90, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(31, 90, 0); box-shadow:4px  
4px 4px 4px rgb(31, 90, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 52.590, 130.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 90, 0) }
```

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

```
.background{ background-color: rgb(31, 90,  
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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