

Converting Colors

CIELCh(33, 52.602, 136.785)

Have a look what the booklet for
CIELCh(33, 52.602, 136.785)
contains.

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Color

CIELCh(33, 52.864, 136.699)

Conversions

Conversions Part 1

Format	Color
Hex	0C5B0A
RGB	12, 91, 10
RGB Percent	5%, 36%, 4%
CMY	0.9548, 0.6441, 0.9620
CMYK	0.87, 0.00, 0.89, 0.64
HSL	119°, 81%, 20%
HSV	119°, 89%, 36%
XYZ	3.9189, 7.5373, 1.5267
YIQ	58.1450, -21.0830, -41.9390

Conversions

Conversions Part 2

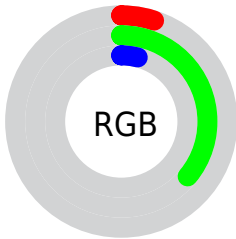
Format	Color
RYB	10, 91, 89
Decimal	809738
CIELab	33.00, -38.47, 36.26
CIElCh	33, 52.864, 136.699
Yxy	7.5373, 0.3019, 0.5806
Android (android.graphics.Color)	4278999818 (0xFF0C5B0A)
YUV	58.1450, -23.7355, -40.4692
Hunter-Lab	27.4541, -22.5648, 15.9209

Details

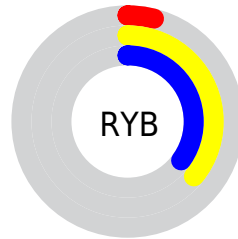
The CIELCh color **33, 52.864, 136.699** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 51.567, 327.268**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 52.610, 136.756**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 55.947, 135.865**, and if you desaturate by 10%, it is **33, 49.312, 137.474**.

Distribution



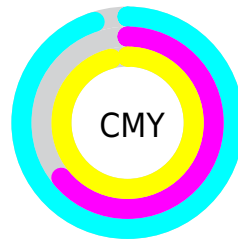
- Red (5%)
- Green (36%)
- Blue (4%)



- Red (4%)
- Yellow (36%)
- Blue (35%)



- Cyan (87%)
- Magenta (0%)
- Yellow (89%)
- Black (64%)





- Cyan (95%)
- Magenta (64%)
- Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 52.864, 136.699 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, 52.864, 136.699 by changing the saturation by 10% instead.

 33, 52.864,
136.699


 33, 52.864,
136.699

 100, 52.864,
136.699


 23, 52.864,
136.699

 53, 52.864,
136.699


 13, 52.864,
136.699


 63, 52.864,
136.699

 3, 52.864, 136.699

 73, 52.864,
136.699

 0, 52.864, 136.699

 83, 52.864,
136.699

 93, 52.864,
136.699

■ 33, 52.864,
136.699

■ 33, 52.864,
136.699

■ 33, 55.947,
135.865

■ 33, 49.312,
137.474

■ 33, 56.170,
135.801

■ 34, 44.689,
138.411

■ 34, 39.232,
139.401

■ 34, 33.171,
140.365

■ 35, 26.703,
141.256

■ 36, 19.989,
142.055

■ 37, 13.160,
142.757

■ 38, 6.317, 143.373

Harmonies

Complementary

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



33, 52.864, 136.699



20, 51.567, 327.268

Rectangle

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



33, 52.864, 136.699



33, 52.864, 186.699



33, 52.864, 316.699



33, 52.864, 6.699

Sweetspot

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



33, 52.864, 136.700



46, 22.747, 142.164



36, 41.740, 101.417



23, 15.169, 142.017



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, 52.864, 136.700



42, 67.337, 135.855



33, 38.570, 151.122



18, 3.834, 143.401



40, 64.169, 135.842



82, 113.269, 135.947

Inverse Universe

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



20, 51.567, 327.268



26, 65.177, 327.372



19, 38.455, 353.406



17, 3.841, 324.248



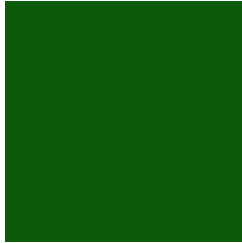
24, 62.121, 327.379



55, 109.503, 327.324

Previews

White Background



This preview shows how the CIELCh color 33, 52.864, 136.699 looks on a white background.

Color Contrast Check

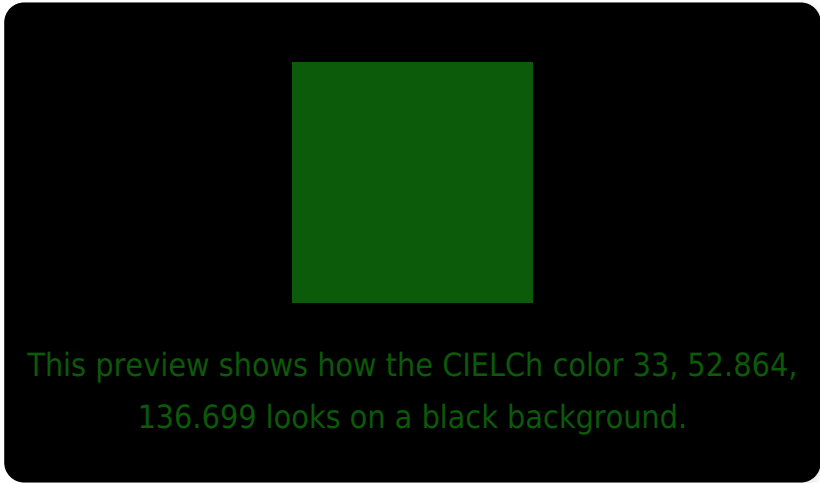
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.864, 136.699

Background



This preview shows how black text looks on a background with the CIELCh color 33, 52.864, 136.699.



This preview shows how white text looks on a background with the CIELCh color 33, 52.864, 136.699.

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

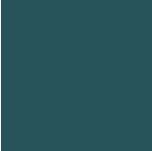
33, 52.864, 136.699

Protanopia

33, 40.350, 95.582

Deuteranopia

33, 33.515, 83.399



Tritanopia
33, 15.866, 213.750

Trichromacy



Original Color
33, 52.864, 136.699

Protanomaly
32, 42.957, 118.437

Deuteranomaly
32, 36.245, 115.065

Tritanomaly
32, 26.915, 160.075

Monochromacy



Original Color
33, 52.864, 136.699

Achromatopsia
24, 0.004, 296.813

Achromatomaly
27, 23.355, 140.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 52.864, 136.699 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(12, 91, 10)` looks like.

```
.text, #text, p{  
    color:rgb(12, 91, 10)  
}
```

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(12, 91, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 91, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 52.864, 136.699 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(12, 91, 10) }
```

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

```
.border{ border-color:rgb(12, 91, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 91, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 91, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 91, 10);  
box-shadow:4px 4px 4px 4px rgb(12, 91, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 52.864, 136.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 91, 10) }
```

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

```
.background{ background-color: rgb(12, 91,  
10) }
```

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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