

Converting Colors

CIELCh(30, 52.435, 134.555)

Have a look what the booklet for
CIELCh(30, 52.435, 134.555)
contains.

CIELCh(30, 52.084, 134.762)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 52.084, 134.762)

Conversions

Conversions Part 1

Format	Color
Hex	0A5300
RGB	10, 83, 0
RGB Percent	4%, 33%, 0%
CMY	0.9615, 0.6749, 1.0000
CMYK	0.88, 0.00, 1.00, 0.67
HSL	113°, 100%, 16%
HSV	113°, 100%, 33%
XYZ	3.2089, 6.2359, 1.0322
YIQ	51.7110, -16.8650, -41.2890

Conversions

Conversions Part 2

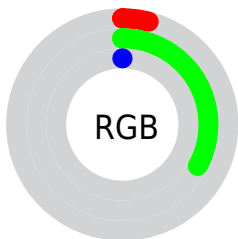
Format	Color
RYB	0, 83, 73
Decimal	676608
CIELab	30.00, -36.68, 36.98
CIELCh	30, 52.084, 134.762
Yxy	6.2359, 0.3063, 0.5952
Android (android.graphics.Color)	4278866688 (0xFF0A5300)
YUV	51.7110, -25.4935, -36.5805
Hunter-Lab	24.9718, -20.7633, 15.0295

Details

The CIELCh color **30, 52.084, 134.762** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 51.462, 324.015**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 51.768, 134.778**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **30, 52.059, 134.782**, and if you desaturate by 10%, it is **30, 48.831, 135.598**.

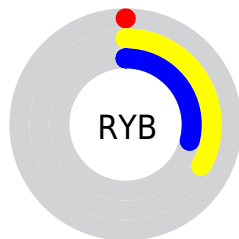
Distribution



Red (4%)

Green (33%)

Blue (0%)



Red (0%)

Yellow (33%)

Blue (29%)

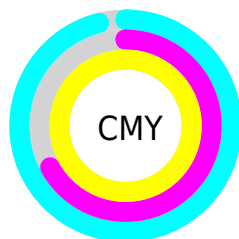


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (67%)



Cyan (96%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 52.084, 134.762 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 30, 52.084, 134.762 by changing the saturation by 10% instead.


 30, 52.084,
134.762


 30, 52.084,
134.762

 100, 52.084,
134.762


 20, 52.084,
134.762


 50, 52.084,
134.762


 10, 52.084,
134.762

 60, 52.084,
134.762

 0, 52.084, 134.762

 70, 52.084,
134.762

 80, 52.084,
134.762

 90, 52.084,
134.762

■ 30, 52.084,
134.762

■ 30, 52.084,
134.762

■ 30, 52.059,
134.782

■ 30, 48.831,
135.598

■ 30, 45.329,
136.075

■ 31, 40.947,
136.724

■ 31, 35.881,
137.466

■ 32, 30.331,
138.223

■ 32, 24.461,
138.948

■ 33, 18.404,
139.616

■ 34, 12.258,

140.215

■ 34, 6.103, 140.751

Harmonies

Complementary

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



30, 52.084, 134.762



16, 51.462, 324.015

Rectangle

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



30, 52.084, 134.762



30, 52.084, 184.762



30, 52.084, 314.762



30, 52.084, 4.762

Sweetspot

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



30, 52.059, 134.782



42, 22.734, 139.551



31, 39.348, 94.258



20, 15.322, 139.399



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 52.059, 134.782



39, 62.450, 135.067



30, 42.643, 145.353



16, 3.363, 140.818



38, 61.377, 135.044



81, 110.771, 135.517

Inverse Universe

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



16, 51.462, 324.015



22, 61.525, 323.877



16, 39.878, 347.736



15, 3.375, 321.544



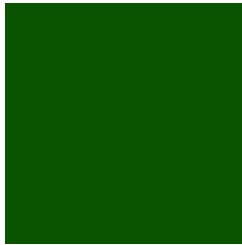
21, 60.484, 323.888



50, 108.557, 323.596

Previews

White Background



This preview shows how the CIE LCh color 30, 52.084, 134.762 looks on a white background.

Color Contrast Check

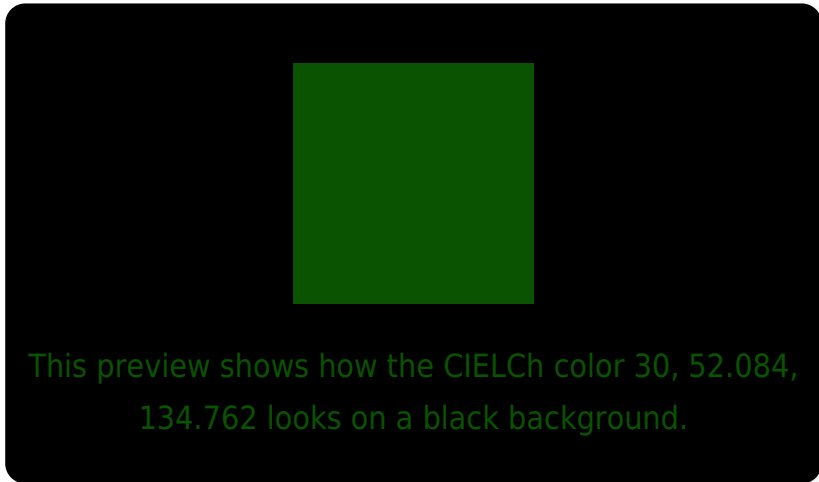
Large Text (above 18pt) WCAG AA ✓ Pass

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

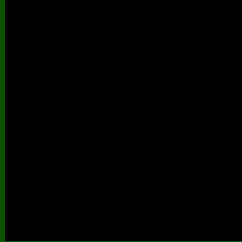
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 52.084, 134.762

Background



This preview shows how black text looks on a background with the CIELCh color 30, 52.084, 134.762.



This preview shows how white text looks on a background with the CIELCh color 30, 52.084, 134.762.

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

30, 52.084, 134.762

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 32.065, 82.900



Tritanopia
30, 14.736, 212.697

Trichromacy



Original Color
30, 52.084, 134.762

Protanomaly
29, 41.619, 117.579

Deuteranomaly
29, 35.860, 114.262

Tritanomaly
30, 26.626, 157.247

Monochromacy



Original Color
30, 52.084, 134.762

Achromatopsia
22, 0.004, 296.813

Achromatomaly
24, 22.976, 138.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 52.084, 134.762 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(10, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(10, 83, 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(10, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 83, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 52.084, 134.762 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(10, 83, 0) }
```

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

```
.border{ border-color:rgb(10, 83, 0) }
```

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

Here you see how a box with a 4 pixel rgb(10, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 83, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(10, 83, 0); box-shadow:4px  
4px 4px 4px rgb(10, 83, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 52.084, 134.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 83, 0) }
```

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

```
.background{ background-color: rgb(10, 83,  
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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