

Converting Colors

CIELCh(30, 52.427, 135.151)

Have a look what the booklet for
CIELCh(30, 52.427, 135.151)
contains.

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Color

CIELCh(30, 52.344, 135.139)

Conversions

Conversions Part 1

Format	Color
Hex	075300
RGB	7, 83, 0
RGB Percent	3%, 33%, 0%
CMY	0.9724, 0.6744, 0.9999
CMYK	0.92, 0.00, 1.00, 0.67
HSL	115°, 100%, 16%
HSV	115°, 100%, 33%
XYZ	3.1835, 6.2359, 1.0365
YIQ	50.8140, -18.6530, -41.9250

Conversions

Conversions Part 2

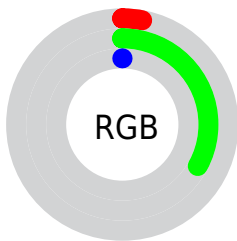
Format	Color
RYB	0, 83, 76
Decimal	480000
CIELab	30.00, -37.10, 36.92
CIELCh	30, 52.344, 135.139
Yxy	6.2359, 0.3045, 0.5964
Android (android.graphics.Color)	4278670080 (0xFF075300)
YUV	50.8140, -25.0513, -38.4249
Hunter-Lab	24.9718, -20.9446, 15.0192

Details

The CIELCh color **30, 52.344, 135.139** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **16, 51.354, 325.198**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 51.951, 135.079**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **30, 52.354, 135.136**, and if you desaturate by 10%, it is **30, 49.160, 136.040**.

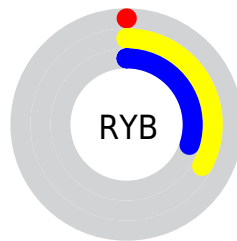
Distribution



Red (3%)

Green (33%)

Blue (0%)



Red (0%)

Yellow (33%)

Blue (30%)

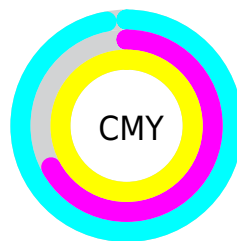


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (67%)



Cyan (97%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 52.344, 135.139 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, 52.344, 135.139 by changing the saturation by 10% instead.


 30, 52.344,
135.139


 30, 52.344,
135.139

 100, 52.344,
135.139


 20, 52.344,
135.139


 50, 52.344,
135.139


 10, 52.344,
135.139

 60, 52.344,
135.139

 0, 52.344, 135.139

 70, 52.344,
135.139

 80, 52.344,
135.139

 90, 52.344,
135.139

■ 30, 52.344,
135.139

■ 30, 52.344,
135.139

■ 30, 52.354,
135.136

■ 30, 49.160,
136.040

■ 30, 45.696,
136.624

■ 31, 41.325,
137.367

■ 31, 36.244,
138.189

■ 32, 30.656,
139.011

■ 32, 24.732,
139.789

■ 33, 18.606,
140.497

■ 34, 12.387,

141.129

■ 34, 6.156, 141.690

Harmonies

Complementary

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



30, 52.344, 135.139



16, 51.354, 325.198

Rectangle

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



30, 52.344, 135.139



30, 52.344, 185.139



30, 52.344, 315.139



30, 52.344, 5.139

Sweetspot

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



30, 52.344, 135.140



42, 22.982, 140.427



31, 40.152, 96.590



20, 15.489, 140.266



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, 52.344, 135.140



39, 62.687, 135.349



30, 41.479, 146.673



16, 3.399, 141.757



38, 61.614, 135.331



81, 111.070, 135.715

Inverse Universe

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



16, 51.354, 325.198



23, 61.339, 325.098



16, 39.246, 350.207



15, 3.410, 322.514



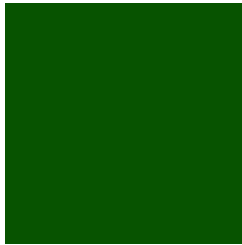
22, 60.302, 325.107



52, 108.194, 324.894

Previews

White Background



This preview shows how the CIELCh color 30, 52.344, 135.139 looks on a white background.

Color Contrast Check

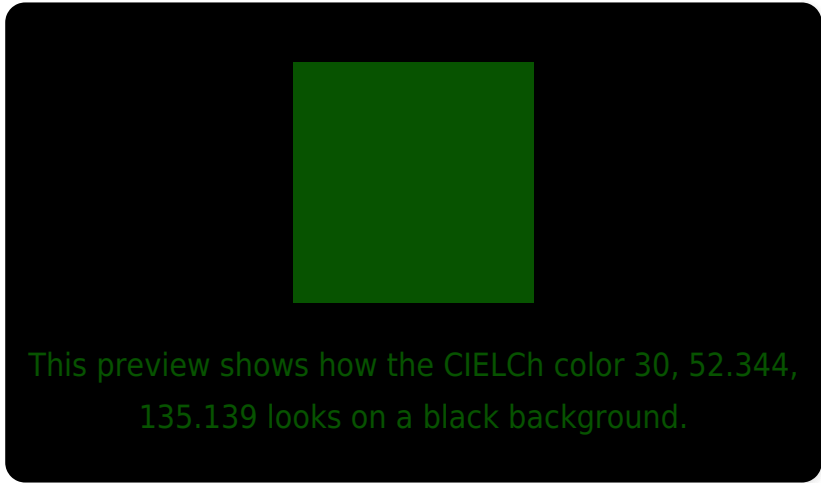
Large Text (above 18pt) WCAG AA ✓ Pass

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

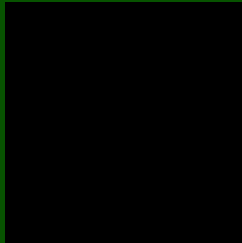
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 52.344, 135.139

Background



This preview shows how black text looks on a background with the CIELCh color 30, 52.344, 135.139.



This preview shows how white text looks on a background with the CIELCh color 30, 52.344, 135.139.

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, 52.344, 135.139

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 32.065, 82.900



Tritanopia
30, 14.982, 212.410

Trichromacy



Original Color
30, 52.344, 135.139

Protanomaly
29, 41.760, 118.198

Deuteranomaly
29, 35.967, 115.032

Tritanomaly
30, 26.822, 157.538

Monochromacy



Original Color
30, 52.344, 135.139

Achromatopsia
21, 0.004, 296.813

Achromatomaly
24, 23.977, 138.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 52.344, 135.139 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(7, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 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(7, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 83, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 52.344, 135.139 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(7, 83, 0) }
```

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

```
.border{ border-color:rgb(7, 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(7, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 83, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 83, 0); box-shadow:4px  
4px 4px 4px rgb(7, 83, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 52.344, 135.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 83, 0) }
```

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

```
.background{ background-color: rgb(7, 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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