

Converting Colors

CIELCh(31, 88.041, 170.306)

Have a look what the booklet for
CIELCh(31, 88.041, 170.306)
contains.

CIELCh(35, 42.054, 150.506)	3
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Color

CIELCh(35, 42.054, 150.506)

Conversions

Conversions Part 1

Format	Color
Hex	01602F
RGB	1, 96, 47
RGB Percent	0%, 38%, 18%
CMY	0.9960, 0.6253, 0.8138
CMYK	0.99, 0.00, 0.50, 0.63
HSL	149°, 98%, 19%
HSV	149°, 99%, 37%
XYZ	4.6770, 8.4984, 4.1352
YIQ	62.0090, -40.8910, -35.3790

Conversions

Conversions Part 2

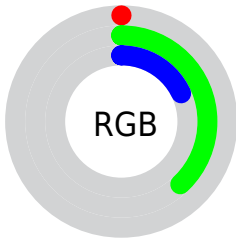
Format	Color
RYB	1, 65, 96
Decimal	90159
CIELab	35.00, -36.60, 20.70
CIELCh	35, 42.054, 150.506
Yxy	8.4984, 0.2702, 0.4909
Android (android.graphics.Color)	4278280239 (0xFF01602F)
YUV	62.0090, -7.3994, -53.5049
Hunter-Lab	29.1520, -22.3781, 11.9962

Details

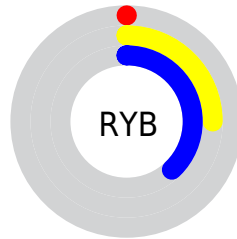
The CIELCh color **35, 42.054, 150.506** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **19, 41.438, 358.094**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 42.818, 150.157**, and **16, 34.989, 139.605** is the 20% darker color. If you saturate the color by 10%, you get **35, 42.370, 150.332**, and if you desaturate by 10%, it is **35, 39.089, 152.301**.

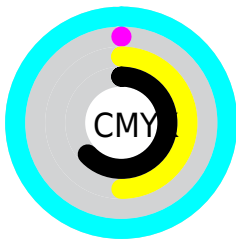
Distribution



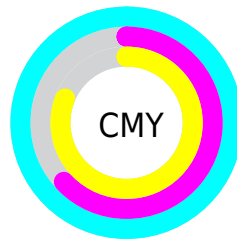
- Red (0%)
- Green (38%)
- Blue (18%)



- Red (0%)
- Yellow (25%)
- Blue (38%)



- Cyan (99%)
- Magenta (0%)
- Yellow (50%)
- Black (63%)




- Cyan (100%)
- Magenta (63%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 42.054, 150.506 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 35, 42.054, 150.506 by changing the saturation by 10% instead.


 35, 42.054,
150.506

 35, 42.054,
150.506

 100, 42.054,
150.506


 25, 42.054,
150.506

 55, 42.054,
150.506


 15, 42.054,
150.506


 65, 42.054,
150.506

 5, 42.054, 150.506

 75, 42.054,
150.506

 0, 42.054, 150.506

 85, 42.054,
150.506

 95, 42.054,
150.506

■ 35, 42.054,
150.506

■ 35, 42.054,
150.506

■ 35, 42.370,
150.332

■ 35, 39.089,
152.301

■ 35, 35.882,
154.135

■ 36, 32.248,
155.785

■ 36, 28.220,
157.256

■ 37, 23.856,
158.563

■ 37, 19.226,
159.726

■ 38, 14.405,
160.766

■ 39, 9.464, 161.703

Harmonies

Complementary

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



35, 42.054, 150.506



19, 41.438, 358.094

Rectangle

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



35, 42.054, 150.506



35, 42.054, 200.506



35, 42.054, 330.506



35, 42.054, 20.506

Sweetspot

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



35, 42.054, 150.506



49, 18.602, 160.567



36, 52.007, 126.403



25, 12.763, 160.270



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



35, 42.054, 150.506



46, 52.052, 149.561



36, 24.625, 194.042



20, 2.836, 162.573



41, 47.914, 149.848



84, 86.435, 148.319

Inverse Universe

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



19, 41.438, 358.094



26, 50.204, 359.696



18, 47.006, 34.309



18, 2.868, 343.832



23, 46.545, 359.194



52, 80.874, 1.971

Previews

White Background



This preview shows how the CIELCh color 35, 42.054, 150.506 looks on a white background.

Color Contrast Check

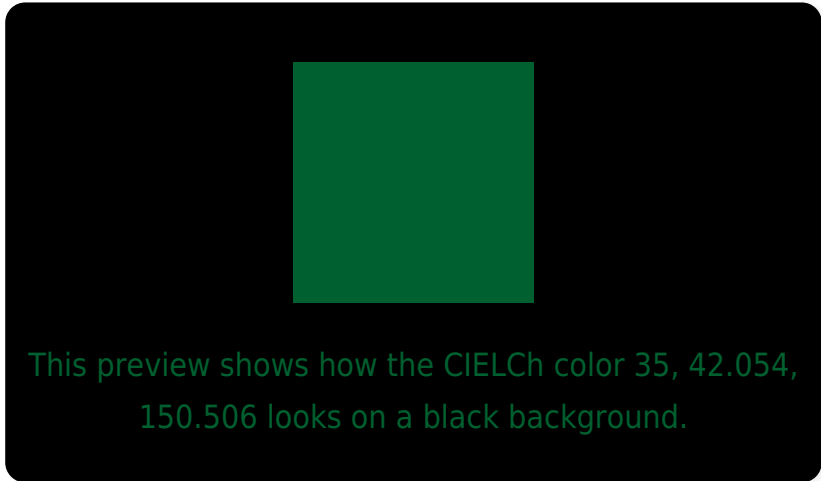
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 42.054, 150.506

Background



This preview shows how black text looks on a background with the CIELCh color 35, 42.054, 150.506.



This preview shows how white text looks on a background with the CIELCh color 35, 42.054, 150.506.

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
35, 42.526, 150.122

Protanopia
35, 24.198, 95.413

Deuteranopia
35, 19.579, 77.146



Tritanopia
35, 17.802, 211.612

Trichromacy



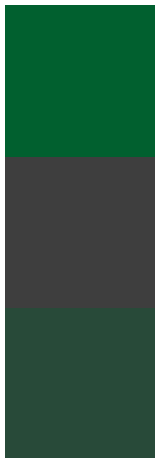
Original Color
35, 42.526, 150.122

Protanomaly
34, 28.799, 133.220

Deuteranomaly
34, 23.775, 131.659

Tritanomaly
35, 24.395, 176.685

Monochromacy



Original Color
35, 42.526, 150.122

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 18.119, 159.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 42.054, 150.506 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(1, 96, 47)` looks like.

```
.text, #text, p{  
    color:rgb(1, 96, 47)  
}
```

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(1, 96, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 96, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 42.054, 150.506 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(1, 96, 47) }
```

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

```
.border{ border-color:rgb(1, 96, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 96, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 96, 47); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 96, 47); box-shadow:4px  
4px 4px 4px rgb(1, 96, 47) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 42.054, 150.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 96, 47) }
```

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

```
.background{ background-color: rgb(1, 96,  
47) }
```

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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