

Converting Colors

CIELCh(46, 59.531, 134.531)

Have a look what the booklet for
CIELCh(46, 59.531, 134.531)
contains.

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Color

CIELCh(46, 59.754, 134.576)

Conversions

Conversions Part 1

Format	Color
Hex	307D1D
RGB	48, 125, 29
RGB Percent	19%, 49%, 11%
CMY	0.8136, 0.5114, 0.8879
CMYK	0.62, 0.00, 0.77, 0.51
HSL	108°, 63%, 30%
HSV	108°, 77%, 49%
XYZ	8.6962, 15.2687, 3.6238
YIQ	91.0330, -15.0760, -46.1800

Conversions

Conversions Part 2

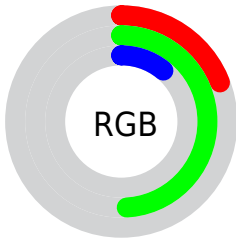
Format	Color
R_{YB}	29, 125, 106
Decimal	3177757
CIE _{Lab}	46.00, -41.94, 42.56
CIE _{LCh}	46, 59.754, 134.576
Yxy	15.2687, 0.3152, 0.5534
Android (android.graphics.Color)	4281367837 (0xFF307D1D)
YUV	91.0330, -30.5823, -37.7399
Hunter-Lab	39.0751, -28.6563, 21.8541

Details

The CIELCh color **46, 59.754, 134.576** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **28, 60.666, 321.450**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 59.472, 134.457**, and **27, 49.390, 136.086** is the 20% darker color. If you saturate the color by 10%, you get **46, 64.541, 134.371**, and if you desaturate by 10%, it is **46, 53.688, 135.038**.

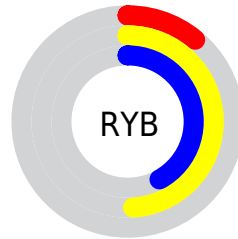
Distribution



Red (19%)

Green (49%)

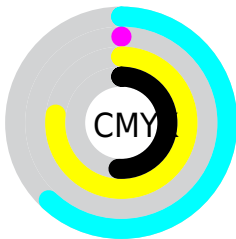
Blue (11%)



Red (11%)

Yellow (49%)

Blue (42%)

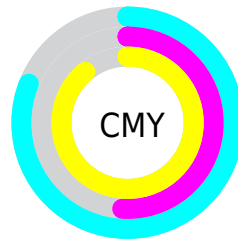


Cyan (62%)

Magenta (0%)

Yellow (77%)

Black (51%)



Cyan (81%)


Magenta (51%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 59.754, 134.576 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 46, 59.754, 134.576 by changing the saturation by 10% instead.


 46, 59.754,
134.576


 46, 59.754,
134.576


 100, 59.754,
134.576


 36, 59.754,
134.576

 66, 59.754,
134.576


 26, 59.754,
134.576

 76, 59.754,
134.576

 16, 59.754,
134.576

 86, 59.754,
134.576

 6, 59.754, 134.576

 96, 59.754,
134.576

 0, 59.754, 134.576

 46, 59.754,

 46, 59.754,

134.576

134.576

■ 46, 64.541,
134.371

■ 46, 53.688,
135.038

■ 45, 67.981,
134.405

■ 47, 46.677,
135.642

■ 45, 68.919,
134.352

■ 48, 39.020,
136.297

■ 48, 30.953,
136.944

■ 49, 22.656,
137.551

■ 50, 14.264,
138.104

■ 51, 5.876, 138.606

■ 53, 2.435, 318.946

■ 54, 10.618,
319.364

Harmonies

Complementary

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



46, 59.754, 134.576



28, 60.666, 321.450

Rectangle

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



46, 59.754, 134.576



46, 59.754, 184.576



46, 59.754, 314.576



46, 59.754, 4.576

Sweetspot

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



46, 59.754, 134.577



64, 24.008, 137.751



45, 43.408, 91.422



33, 16.535, 137.579



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 59.754, 134.577



59, 81.594, 134.439



46, 51.394, 145.885



25, 4.623, 138.508



45, 69.062, 134.355



87, 117.021, 134.857

Inverse Universe

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



28, 60.666, 321.450



34, 82.059, 321.163



29, 49.862, 340.797



24, 4.648, 319.251



24, 69.340, 321.022



51, 116.897, 320.661

Previews

White Background



This preview shows how the CIELCh color 46, 59.754, 134.576 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 × Fail

Black Background



This preview shows how the CIE LCh color 46, 59.754, 134.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 59.754, 134.576

Background



This preview shows how black text looks on a background with the CIELCh color 46, 59.754, 134.576.



This preview shows how white text looks on a background with the CIELCh color 46, 59.754, 134.576.

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
46, 59.754, 134.576

Protanopia
46, 45.617, 95.725

Deuteranopia
46, 40.576, 81.875



Tritanopia
46, 17.018, 216.245

Trichromacy



Original Color
46, 59.754, 134.576

Protanomaly
45, 48.212, 114.983

Deuteranomaly
45, 42.080, 109.482

Tritanomaly
46, 28.220, 158.860

Monochromacy



Original Color
46, 59.754, 134.576

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 24.282, 137.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 59.754, 134.576 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(48, 125, 29)` looks like.

```
.text, #text, p{  
    color:rgb(48, 125, 29)  
}
```

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(48, 125, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 125, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 59.754, 134.576 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(48, 125, 29) }
```

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

```
.border{ border-color:rgb(48, 125, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 125, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 125, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 125, 29);  
box-shadow:4px 4px 4px 4px rgb(48, 125,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 59.754, 134.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 125, 29) }
```

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

```
.background{ background-color: rgb(48, 125,  
29) }
```

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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