

Converting Colors

CIELCh(46, 66.760, 135.268)

Have a look what the booklet for
CIELCh(46, 66.760, 135.268)
contains.

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Color

CIELCh(46, 66.630, 135.320)

Conversions

Conversions Part 1

Format	Color
Hex	1D7E0E
RGB	29, 126, 14
RGB Percent	11%, 49%, 5%
CMY	0.8851, 0.5051, 0.9440
CMYK	0.77, 0.00, 0.89, 0.51
HSL	112°, 80%, 28%
HSV	112°, 89%, 49%
XYZ	8.0815, 15.2687, 2.9466
YIQ	84.2290, -21.8600, -55.3960

Conversions

Conversions Part 2

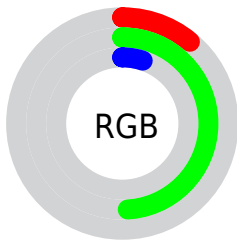
Format	Color
R_{YB}	14, 126, 111
Decimal	1932814
CIE Lab	46.00, -47.38, 46.85
CIE LCh	46, 66.630, 135.320
Yxy	15.2687, 0.3073, 0.5806
Android (android.graphics.Color)	4280122894 (0xFF1D7E0E)
YUV	84.2290, -34.6229, -48.4358
Hunter-Lab	39.0751, -31.4641, 22.8816

Details

The CIELCh color **46, 66.630, 135.320** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **27, 66.151, 323.434**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 66.846, 135.419**, and **27, 49.390, 136.086** is the 20% darker color. If you saturate the color by 10%, you get **46, 69.811, 135.123**, and if you desaturate by 10%, it is **46, 62.132, 135.668**.

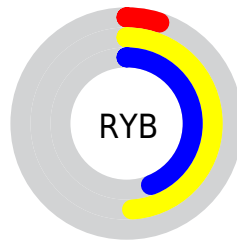
Distribution



Red (11%)

Green (49%)

Blue (5%)



Red (5%)

Yellow (49%)

Blue (44%)

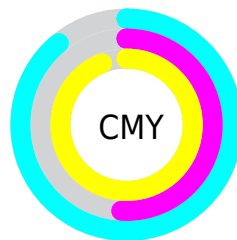


Cyan (77%)

Magenta (0%)

Yellow (89%)

Black (51%)



Cyan (89%)


Magenta (51%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 66.630, 135.320 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, 66.630, 135.320 by changing the saturation by 10% instead.


 46, 66.630,
135.320


 46, 66.630,
135.320


 100, 66.630,
135.320


 36, 66.630,
135.320

 66, 66.630,
135.320


 26, 66.630,
135.320

 76, 66.630,
135.320

 16, 66.630,
135.320


 86, 66.630,
135.320

 6, 66.630, 135.320

 96, 66.630,
135.320

 0, 66.630, 135.320

 46, 66.630,

 46, 66.630,

135.320

135.320

■ 46, 69.811,
135.123

■ 46, 62.132,
135.668

■ 46, 70.207,
135.065

■ 47, 56.221,
136.265

■ 47, 49.236,
136.994

■ 48, 41.496,
137.762

■ 49, 33.266,
138.505

■ 50, 24.750,
139.191

■ 51, 16.105,
139.806

■ 52, 7.449, 140.356

Harmonies

Complementary

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



46, 66.630, 135.320



27, 66.151, 323.434

Rectangle

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



46, 66.630, 135.320



46, 66.630, 185.320



46, 66.630, 315.320



46, 66.630, 5.320

Sweetspot

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



46, 66.630, 135.321



63, 28.755, 139.259



46, 49.453, 93.656



32, 19.272, 139.081



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, 66.630, 135.321



58, 84.875, 135.241



46, 55.189, 145.612



26, 4.878, 140.333



46, 70.738, 135.073



0, 0.000, 0.000

Inverse Universe

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



27, 66.151, 323.434



35, 83.604, 323.126



28, 51.960, 345.628



25, 4.898, 321.131



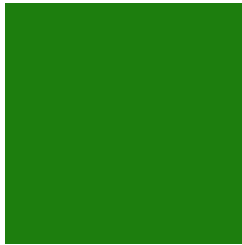
26, 69.812, 323.233



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 66.630, 135.320 looks on a white background.

Color Contrast Check

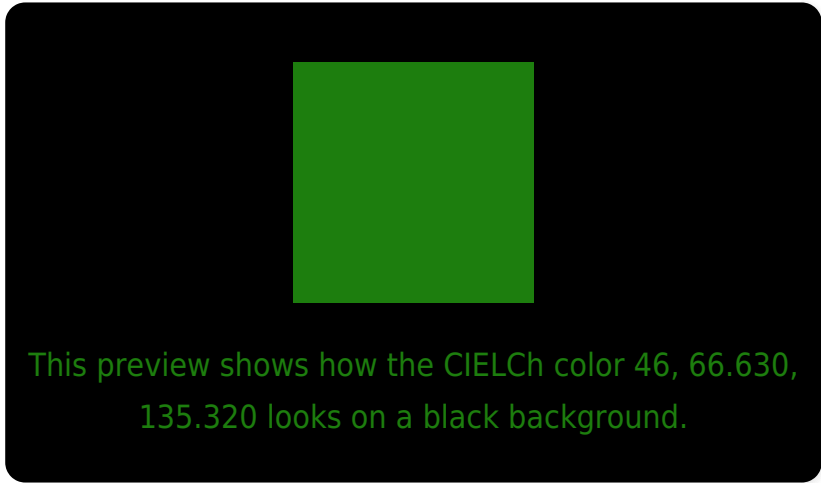
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

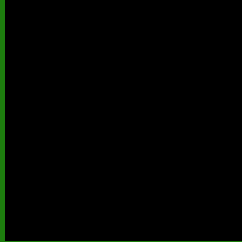
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 66.630, 135.320

Background



This preview shows how black text looks on a background with the CIELCh color 46, 66.630, 135.320.



This preview shows how white text looks on a background with the CIELCh color 46, 66.630, 135.320.

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, 66.630, 135.320

Protanopia

46, 50.657, 95.786

Deuteranopia

46, 44.194, 82.472



Tritanopia
46, 19.561, 215.383

Trichromacy



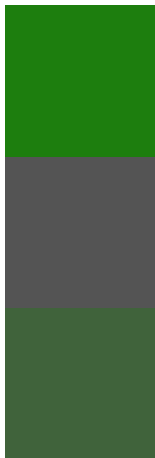
Original Color
46, 66.630, 135.320

Protanomaly
45, 53.484, 116.825

Deuteranomaly
44, 46.804, 111.900

Tritanomaly
45, 33.371, 158.764

Monochromacy



Original Color
46, 66.630, 135.320

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 28.530, 138.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 66.630, 135.320 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(29, 126, 14)` looks like.

```
.text, #text, p{  
    color:rgb(29, 126, 14)  
}
```

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(29, 126, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 126, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 66.630, 135.320 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(29, 126, 14) }
```

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

```
.border{ border-color:rgb(29, 126, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 126, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 126, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 126, 14);  
box-shadow:4px 4px 4px 4px rgb(29, 126,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 66.630, 135.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 126, 14) }
```

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

```
.background{ background-color: rgb(29, 126,  
14) }
```

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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