

Converting Colors

CIELCh(46, 72.592, 129.555)

Have a look what the booklet for
CIELCh(46, 72.592, 129.555)
contains.

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Color

CIELCh(46, 67.669, 132.216)

Conversions

Conversions Part 1

Format	Color
Hex	287E00
RGB	40, 126, 0
RGB Percent	16%, 49%, 0%
CMY	0.8414, 0.5076, 1.0000
CMYK	0.68, 0.00, 1.00, 0.51
HSL	101°, 100%, 25%
HSV	101°, 100%, 49%
XYZ	8.2938, 15.2687, 2.4914
YIQ	85.9220, -10.8100, -57.4180

Conversions

Conversions Part 2

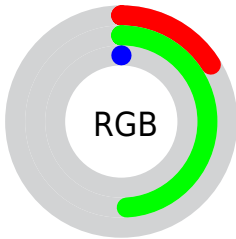
Format	Color
RYB	0, 126, 86
Decimal	2653696
CIELab	46.00, -45.47, 50.12
CIElCh	46, 67.669, 132.216
Yxy	15.2687, 0.3183, 0.5860
Android (android.graphics.Color)	4280843776 (0xFF287E00)
YUV	85.9220, -42.3595, -40.2736
Hunter-Lab	39.0751, -30.4945, 23.5723

Details

The CIELCh color **46, 67.669, 132.216** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **22, 71.001, 316.997**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 68.131, 132.316**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 67.552, 132.280**, and if you desaturate by 10%, it is **46, 64.134, 131.926**.

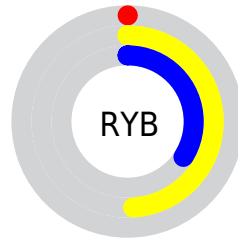
Distribution



Red (16%)

Green (49%)

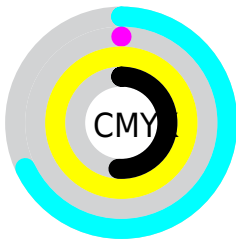
Blue (0%)



Red (0%)

Yellow (49%)

Blue (34%)

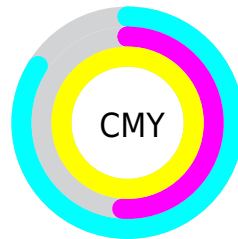


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (84%)


Magenta (51%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 67.669, 132.216 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, 67.669, 132.216 by changing the saturation by 10% instead.


 46, 67.669,
132.216


 46, 67.669,
132.216


 100, 67.669,
132.216


 36, 67.669,
132.216

 66, 67.669,
132.216


 26, 67.669,
132.216

 76, 67.669,
132.216

 16, 67.669,
132.216

 86, 67.669,
132.216

 6, 67.669, 132.216

 96, 67.669,
132.216

 0, 67.669, 132.216

 46, 67.669,

 46, 67.669,

132.216

132.216

■ 46, 67.552,
132.280

■ 46, 64.134,
131.926

■ 47, 59.718,
131.715

■ 47, 54.022,
131.840

■ 48, 47.365,
132.187

■ 48, 40.048,
132.654

■ 49, 32.309,
133.169

■ 50, 24.323,
133.685

■ 51, 16.218,
134.178

Harmonies

Complementary

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



46, 67.669, 132.216



22, 71.001, 316.997

Rectangle

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



46, 67.669, 132.216



46, 67.669, 182.216



46, 67.669, 312.216



46, 67.669, 2.216

Sweetspot

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



46, 67.552, 132.280



64, 30.135, 133.649



39, 48.869, 76.655



32, 20.437, 133.473



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, 67.552, 132.280



59, 82.082, 132.604



45, 66.865, 138.428



26, 4.613, 134.678



47, 68.317, 132.302



0, 0.000, 0.000

Inverse Universe

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



22, 71.001, 316.997



29, 86.062, 316.768



28, 60.282, 335.891



25, 4.651, 315.377



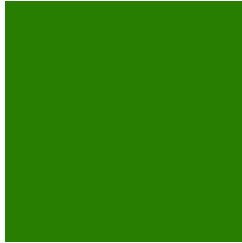
22, 71.794, 316.982



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 67.669, 132.216 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, 67.669, 132.216 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, 67.669, 132.216

Background



This preview shows how black text looks on a background with the CIELCh color 46, 67.669, 132.216.



This preview shows how white text looks on a background with the CIELCh color 46, 67.669, 132.216.

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, 67.800, 132.380

Protanopia

46, 52.247, 95.782

Deuteranopia

46, 45.362, 82.834



Tritanopia
46, 18.047, 215.040

Trichromacy



Original Color
46, 67.800, 132.380

Protanomaly
45, 55.143, 114.253

Deuteranomaly
44, 48.787, 109.052

Tritanomaly
45, 34.265, 152.423

Monochromacy



Original Color
46, 67.800, 132.380

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 30.162, 133.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 67.669, 132.216 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(40, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 126, 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(40, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 126, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 67.669, 132.216 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(40, 126, 0) }
```

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

```
.border{ border-color:rgb(40, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 126, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 67.669, 132.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 126, 0) }
```

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

```
.background{ background-color: rgb(40, 126,  
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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