

Converting Colors

CIELCh(46, 68.757, 137.529)

Have a look what the booklet for
CIELCh(46, 68.757, 137.529)
contains.

CIELCh(46, 68.795, 137.496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 68.795, 137.496)

Conversions

Conversions Part 1

Format	Color
Hex	027F0F
RGB	2, 127, 15
RGB Percent	1%, 50%, 6%
CMY	0.9941, 0.5013, 0.9402
CMYK	0.99, 0.00, 0.88, 0.50
HSL	127°, 98%, 25%
HSV	127°, 99%, 50%
XYZ	7.7187, 15.2687, 3.0014
YIQ	76.8570, -38.5480, -61.3320

Conversions

Conversions Part 2

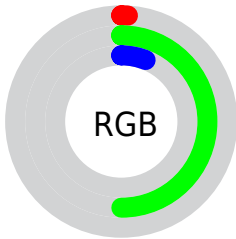
Format	Color
RYB	2, 115, 127
Decimal	163599
CIELab	46.00, -50.72, 46.48
CIELCh	46, 68.795, 137.496
Yxy	15.2687, 0.2970, 0.5875
Android (android.graphics.Color)	4278353679 (0xFF027F0F)
YUV	76.8570, -30.4955, -65.6496
Hunter-Lab	39.0751, -33.1215, 22.7985

Details

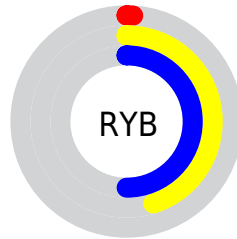
The CIELCh color **46, 68.795, 137.496** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 63.279, 332.899**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 68.655, 137.571**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 69.140, 137.413**, and if you desaturate by 10%, it is **46, 65.311, 138.556**.

Distribution



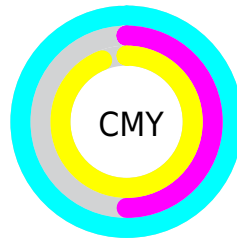
- Red (1%)
- Green (50%)
- Blue (6%)



- Red (1%)
- Yellow (45%)
- Blue (50%)



- Cyan (99%)
- Magenta (0%)
- Yellow (88%)
- Black (50%)



- Cyan (99%)
- Magenta (50%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 68.795, 137.496 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, 68.795, 137.496 by changing the saturation by 10% instead.

 46, 68.795,
137.496


 46, 68.795,
137.496


 100, 68.795,
137.496

 36, 68.795,
137.496

 66, 68.795,
137.496


 26, 68.795,
137.496

 76, 68.795,
137.496

 16, 68.795,
137.496

 86, 68.795,
137.496

 6, 68.795, 137.496

 96, 68.795,
137.496

 0, 68.795, 137.496

 46, 68.795,

 46, 68.795,

137.496

137.496

■ 46, 69.140,
137.413

■ 46, 65.311,
138.556

■ 46, 60.596,
139.862

■ 47, 54.734,
141.196

■ 47, 47.951,
142.472

■ 48, 40.470,
143.640

■ 49, 32.500,
144.680

■ 50, 24.227,
145.590

■ 51, 15.807,
146.379

Harmonies

Complementary

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



46, 68.795, 137.496



29, 63.279, 332.899

Rectangle

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



46, 68.795, 137.496



46, 68.795, 187.496



46, 68.795, 317.496



46, 68.795, 7.496

Sweetspot

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



46, 68.795, 137.497



64, 31.311, 145.427



51, 57.957, 108.769



33, 21.503, 145.110



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 68.795, 137.497



59, 84.472, 137.119



47, 46.605, 155.791



26, 4.723, 147.050



46, 69.272, 137.409



0, 0.000, 0.000

Inverse Universe

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



29, 63.279, 332.899



38, 76.885, 333.082



26, 50.213, 9.396



25, 4.733, 328.037



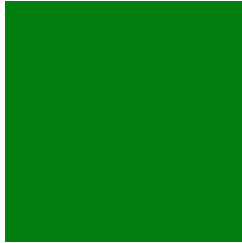
29, 63.616, 332.958



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 68.795, 137.496 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, 68.795, 137.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

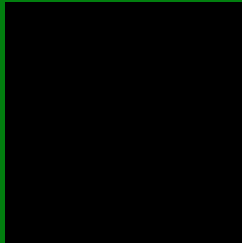
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 68.795, 137.496

Background



This preview shows how black text looks on a background with the CIELCh color 46, 68.795, 137.496.



This preview shows how white text looks on a background with the CIELCh color 46, 68.795, 137.496.

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, 68.744, 137.445

Protanopia

46, 50.511, 95.229

Deuteranopia

46, 43.791, 82.341



Tritanopia
46, 21.111, 213.870

Trichromacy



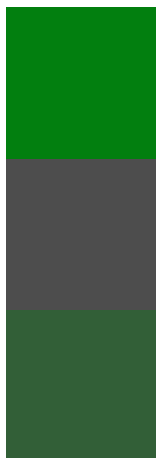
Original Color
46, 68.744, 137.445

Protanomaly
44, 54.979, 121.136

Deuteranomaly
44, 47.952, 117.858

Tritanomaly
45, 36.027, 161.584

Monochromacy



Original Color
46, 68.744, 137.445

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 30.966, 144.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 68.795, 137.496 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(2, 127, 15)` looks like.

```
.text, #text, p{  
    color:rgb(2, 127, 15)  
}
```

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(2, 127, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 127, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 68.795, 137.496 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(2, 127, 15) }
```

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

```
.border{ border-color:rgb(2, 127, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 127, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 127, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 127, 15);  
box-shadow:4px 4px 4px 4px rgb(2, 127, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 68.795, 137.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 127, 15) }
```

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

```
.background{ background-color: rgb(2, 127,  
15) }
```

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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