

Converting Colors

CIELCh(46, 67.689, 132.746)

Have a look what the booklet for
CIELCh(46, 67.689, 132.746)
contains.

CIELCh(46, 67.876, 132.793)	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, 67.876, 132.793)

Conversions

Conversions Part 1

Format	Color
Hex	267E01
RGB	38, 126, 1
RGB Percent	15%, 49%, 0%
CMY	0.8522, 0.5068, 0.9974
CMYK	0.70, 0.00, 0.99, 0.51
HSL	102°, 99%, 25%
HSV	102°, 99%, 49%
XYZ	8.2219, 15.2687, 2.5323
YIQ	85.4380, -12.3230, -57.5310

Conversions

Conversions Part 2

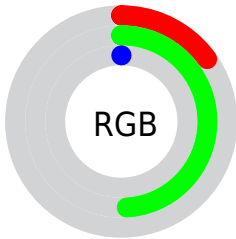
Format	Color
RYB	1, 126, 89
Decimal	2522625
CIELab	46.00, -46.11, 49.81
CIELCh	46, 67.876, 132.793
Yxy	15.2687, 0.3159, 0.5867
Android (android.graphics.Color)	4280712705 (0xFF267E01)
YUV	85.4380, -41.6279, -41.6031
Hunter-Lab	39.0751, -30.8231, 23.5103

Details

The CIELCh color **46, 67.876, 132.793** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **22, 70.568, 317.809**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 67.929, 132.726**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 68.050, 132.799**, and if you desaturate by 10%, it is **46, 64.455, 132.494**.

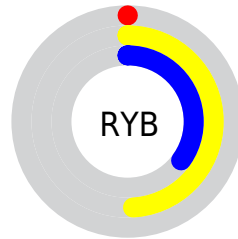
Distribution



Red (15%)

Green (49%)

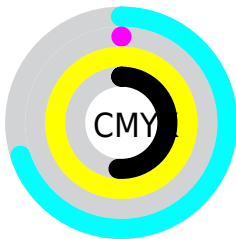
Blue (0%)



Red (0%)

Yellow (49%)

Blue (35%)

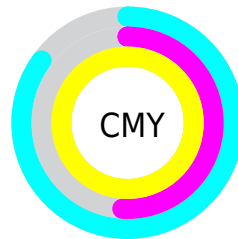


Cyan (70%)

Magenta (0%)

Yellow (99%)

Black (51%)



Cyan (85%)


Magenta (51%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 67.876, 132.793 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, 67.876, 132.793 by changing the saturation by 10% instead.


 46, 67.876,
132.793


 46, 67.876,
132.793


 100, 67.876,
132.793


 36, 67.876,
132.793

 66, 67.876,
132.793


 26, 67.876,
132.793

 76, 67.876,
132.793

 16, 67.876,
132.793

 86, 67.876,
132.793

 6, 67.876, 132.793

 96, 67.876,
132.793

 0, 67.876, 132.793

 46, 67.876,

 46, 67.876,

132.793

132.793

■ 46, 68.050,
132.799

■ 46, 64.455,
132.494

■ 47, 59.956,
132.359

■ 47, 54.171,
132.546

■ 48, 47.425,
132.941

■ 48, 40.020,
133.444

■ 49, 32.194,
133.983

■ 50, 24.124,
134.517

■ 51, 15.938,
135.020

Harmonies

Complementary

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



46, 67.876, 132.793



22, 70.568, 317.809

Rectangle

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



46, 67.876, 132.793



46, 67.876, 182.793



46, 67.876, 312.793



46, 67.876, 2.793

Sweetspot

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



46, 67.876, 132.794



63, 30.371, 134.453



40, 48.980, 79.766



32, 20.597, 134.270



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, 67.876, 132.794



59, 82.581, 133.105



46, 65.644, 139.198



26, 4.647, 135.503



47, 68.740, 132.817



0, 0.000, 0.000

Inverse Universe

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



22, 70.568, 317.809



30, 85.648, 317.578



28, 58.813, 337.721



25, 4.682, 316.208



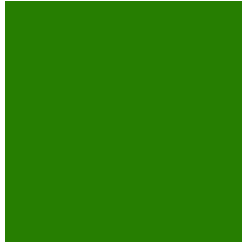
23, 71.460, 317.781



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 67.876, 132.793 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, 67.876, 132.793 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, 67.876, 132.793

Background



This preview shows how black text looks on a background with the CIELCh color 46, 67.876, 132.793.



This preview shows how white text looks on a background with the CIELCh color 46, 67.876, 132.793.

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, 67.876, 132.793

Protanopia
46, 52.247, 95.782

Deuteranopia
46, 45.362, 82.834



Tritanopia
46, 18.544, 214.514

Trichromacy



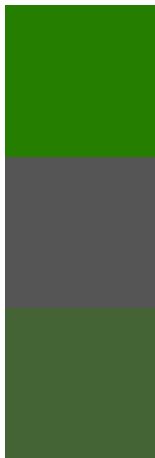
Original Color
46, 67.876, 132.793

Protanomaly
45, 55.251, 114.712

Deuteranomaly
44, 48.844, 109.607

Tritanomaly
45, 34.691, 153.011

Monochromacy



Original Color
46, 67.876, 132.793

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 30.871, 133.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 67.876, 132.793 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(38, 126, 1)` looks like.

```
.text, #text, p{  
    color:rgb(38, 126, 1)  
}
```

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(38, 126, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 126, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 67.876, 132.793 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(38, 126, 1) }
```

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

```
.border{ border-color:rgb(38, 126, 1) }
```

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

Here you see how a box with a 4 pixel rgb(38, 126, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 126, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 126, 1);  
box-shadow:4px 4px 4px 4px rgb(38, 126, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 67.876, 132.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 126, 1) }
```

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

```
.background{ background-color: rgb(38, 126,  
1) }
```

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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