

Converting Colors

CIELCh(46, 66.011, 130.871)

Have a look what the booklet for
CIELCh(46, 66.011, 130.871)
contains.

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Color

CIELCh(46, 66.065, 130.960)

Conversions

Conversions Part 1

Format	Color
Hex	307D01
RGB	48, 125, 1
RGB Percent	19%, 49%, 0%
CMY	0.8122, 0.5102, 0.9967
CMYK	0.62, 0.00, 0.99, 0.51
HSL	97°, 99%, 25%
HSV	97°, 99%, 49%
XYZ	8.5386, 15.2687, 2.5214
YIQ	87.8410, -6.0880, -54.8880

Conversions

Conversions Part 2

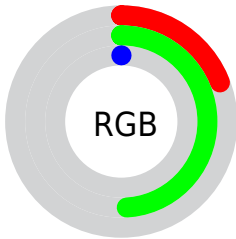
Format	Color
RYB	1, 125, 78
Decimal	3177729
CIELab	46.00, -43.31, 49.89
CIELCh	46, 66.065, 130.960
Yxy	15.2687, 0.3243, 0.5799
Android (android.graphics.Color)	4281367809 (0xFF307D01)
YUV	87.8410, -42.8126, -34.9406
Hunter-Lab	39.0751, -29.3761, 23.5268

Details

The CIELCh color **46, 66.065, 130.960** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 71.222, 315.363**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 65.683, 130.888**, and **27, 49.390, 136.086** is the 20% darker color. If you saturate the color by 10%, you get **46, 66.299, 130.982**, and if you desaturate by 10%, it is **46, 62.625, 130.469**.

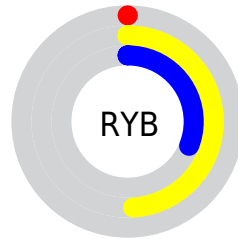
Distribution



Red (19%)

Green (49%)

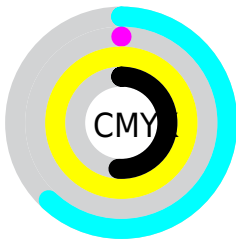
Blue (0%)



Red (0%)

Yellow (49%)

Blue (31%)

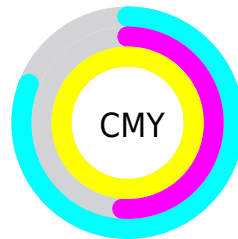


Cyan (62%)

Magenta (0%)

Yellow (99%)

Black (51%)



Cyan (81%)


Magenta (51%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 66.065, 130.960 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, 66.065, 130.960 by changing the saturation by 10% instead.


 46, 66.065,
130.960


 46, 66.065,
130.960


 100, 66.065,
130.960


 36, 66.065,
130.960

 66, 66.065,
130.960


 26, 66.065,
130.960

 76, 66.065,
130.960

 16, 66.065,
130.960


 86, 66.065,
130.960

 6, 66.065, 130.960

 96, 66.065,
130.960

 0, 66.065, 130.960

 46, 66.065,

 46, 66.065,

130.960

130.960

■ 46, 66.299,
130.982

■ 46, 62.625,
130.469

■ 47, 58.166,
130.180

■ 47, 52.487,
130.236

■ 48, 45.902,
130.522

■ 48, 38.699,
130.938

■ 49, 31.104,
131.412

■ 50, 23.280,
131.898

■ 51, 15.345,
132.370

Harmonies

Complementary

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



46, 66.065, 130.960



20, 71.222, 315.363

Rectangle

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



46, 66.065, 130.960



46, 66.065, 180.960



46, 66.065, 310.960



46, 66.065, 0.960

Sweetspot

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



46, 66.065, 130.961



64, 29.639, 131.830



37, 48.380, 72.229



32, 20.098, 131.663



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, 66.065, 130.961



59, 80.886, 131.345



45, 67.823, 137.599



25, 4.389, 132.828



46, 66.319, 130.983



88, 112.632, 131.764

Inverse Universe

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



20, 71.222, 315.363



28, 87.031, 315.091



28, 62.216, 333.268



24, 4.432, 313.521



20, 71.518, 315.345



45, 120.878, 314.785

Previews

White Background



This preview shows how the CIELCh color 46, 66.065, 130.960 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 CIELCh color 46, 66.065, 130.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

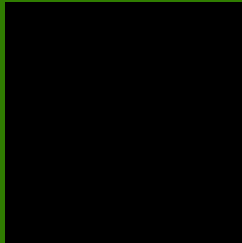
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 66.065, 130.960

Background



This preview shows how black text looks on a background with the CIELCh color 46, 66.065, 130.960.



This preview shows how white text looks on a background with the CIELCh color 46, 66.065, 130.960.

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, 66.065, 130.960

Protanopia

46, 52.247, 95.782

Deuteranopia

46, 45.737, 82.944



Tritanopia
46, 16.755, 216.570

Trichromacy



Original Color
46, 66.065, 130.960

Protanomaly
45, 54.843, 112.851

Deuteranomaly
45, 48.649, 107.371

Tritanomaly
45, 32.527, 151.075

Monochromacy



Original Color
46, 66.065, 130.960

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 29.528, 131.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 66.065, 130.960 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(48, 125, 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(48, 125, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 125, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 66.065, 130.960 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, 1) }
```

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

```
.border{ border-color:rgb(48, 125, 1) }
```

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, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 125, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 125, 1);  
box-shadow:4px 4px 4px 4px rgb(48, 125, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 66.065, 130.960 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, 1) }
```

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

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