

Converting Colors

CIELCh(46, 65.639, 130.010)

Have a look what the booklet for
CIELCh(46, 65.639, 130.010)
contains.

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Color

CIELCh(46, 65.650, 130.029)

Conversions

Conversions Part 1

Format	Color
Hex	337D00
RGB	51, 125, 0
RGB Percent	20%, 49%, 0%
CMY	0.7981, 0.5116, 1.0000
CMYK	0.59, 0.00, 1.00, 0.51
HSL	95°, 100%, 24%
HSV	95°, 100%, 49%
XYZ	8.6631, 15.2687, 2.4714
YIQ	88.6240, -3.9790, -54.5630

Conversions

Conversions Part 2

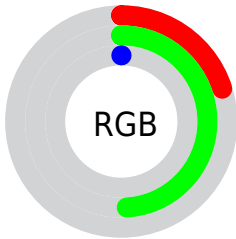
Format	Color
RYB	0, 125, 74
Decimal	3374336
CIELab	46.00, -42.22, 50.27
CIELCh	46, 65.650, 130.029
Yxy	15.2687, 0.3281, 0.5783
Android (android.graphics.Color)	4281564416 (0xFF337D00)
YUV	88.6240, -43.6916, -32.9962
Hunter-Lab	39.0751, -28.8073, 23.6027

Details

The CIELCh color **46, 65.650, 130.029** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 71.842, 314.416**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 65.725, 130.190**, and **27, 49.390, 136.086** is the 20% darker color. If you saturate the color by 10%, you get **46, 65.527, 130.094**, and if you desaturate by 10%, it is **46, 62.124, 129.555**.

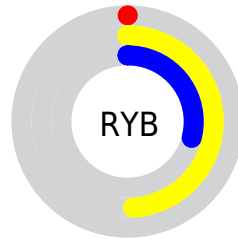
Distribution



Red (20%)

Green (49%)

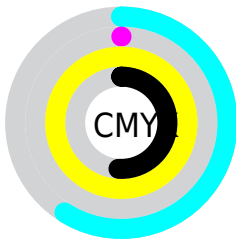
Blue (0%)



Red (0%)

Yellow (49%)

Blue (29%)

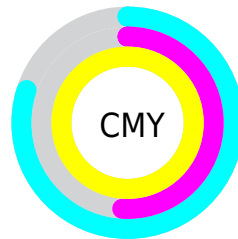


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (80%)


Magenta (51%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 65.650, 130.029 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, 65.650, 130.029 by changing the saturation by 10% instead.


 46, 65.650,
130.029


 46, 65.650,
130.029


 100, 65.650,
130.029


 36, 65.650,
130.029

 66, 65.650,
130.029


 26, 65.650,
130.029

 76, 65.650,
130.029

 16, 65.650,
130.029

 86, 65.650,
130.029

 6, 65.650, 130.029

 96, 65.650,
130.029

 0, 65.650, 130.029

 46, 65.650,

 46, 65.650,

130.029

130.029

■ 46, 65.527,
130.094

■ 46, 62.124,
129.555

■ 47, 57.804,
129.189

■ 47, 52.262,
129.183

■ 48, 45.807,
129.422

■ 48, 38.728,
129.805

■ 49, 31.250,
130.258

■ 50, 23.537,
130.732

■ 50, 15.705,
131.198

Harmonies

Complementary

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



46, 65.650, 130.029



20, 71.842, 314.416

Rectangle

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



46, 65.650, 130.029



46, 65.650, 180.029



46, 65.650, 310.029



46, 65.650, 0.029

Sweetspot

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



46, 65.527, 130.094



63, 28.980, 130.699



36, 48.729, 69.123



33, 19.903, 130.533



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, 65.527, 130.094



59, 79.168, 130.456



45, 68.658, 137.080



25, 4.350, 131.685



46, 65.681, 130.099



88, 111.553, 130.915

Inverse Universe

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



20, 71.842, 314.416



27, 86.627, 314.162



28, 63.811, 331.724



24, 4.396, 312.385



20, 72.009, 314.412



43, 121.765, 313.833

Previews

White Background



This preview shows how the CIELCh color 46, 65.650, 130.029 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, 65.650, 130.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

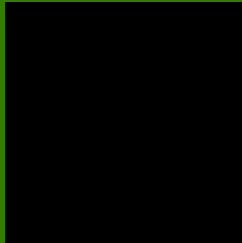
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 65.650, 130.029

Background



This preview shows how black text looks on a background with the CIELCh color 46, 65.650, 130.029.



This preview shows how white text looks on a background with the CIELCh color 46, 65.650, 130.029.

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, 65.802, 130.244

Protanopia

46, 52.247, 95.782

Deuteranopia

46, 45.737, 82.944



Tritanopia
46, 16.221, 217.261

Trichromacy



Original Color
46, 65.802, 130.244

Protanomaly
45, 54.751, 112.377

Deuteranomaly
45, 48.613, 106.806

Tritanomaly
45, 31.840, 149.962

Monochromacy



Original Color
46, 65.802, 130.244

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 29.296, 130.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 65.650, 130.029 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(51, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 125, 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(51, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 125, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 65.650, 130.029 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(51, 125, 0) }
```

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

```
.border{ border-color:rgb(51, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 125, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 65.650, 130.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 125, 0) }
```

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

```
.background{ background-color: rgb(51, 125,  
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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