

Converting Colors

CIELCh(45, 69.703, 136.550)

Have a look what the booklet for
CIELCh(45, 69.703, 136.550)
contains.

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Color

CIELCh(45, 69.515, 136.435)

Conversions

Conversions Part 1

Format	Color
Hex	017C05
RGB	1, 124, 5
RGB Percent	0%, 49%, 2%
CMY	0.9952, 0.5120, 0.9817
CMYK	0.99, 0.00, 0.96, 0.51
HSL	122°, 98%, 25%
HSV	122°, 99%, 49%
XYZ	7.3026, 14.5417, 2.5558
YIQ	73.6570, -35.1090, -63.0850

Conversions

Conversions Part 2

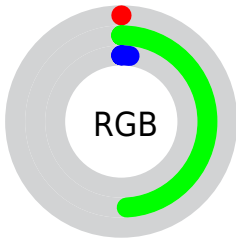
Format	Color
RYB	1, 120, 124
Decimal	97285
CIELab	45.00, -50.37, 47.91
CIELCh	45, 69.515, 136.435
Yxy	14.5417, 0.2993, 0.5960
Android (android.graphics.Color)	4278287365 (0xFF017C05)
YUV	73.6570, -33.8479, -63.7202
Hunter-Lab	38.1336, -32.5509, 22.7198

Details

The CIELCh color **45, 69.515, 136.435** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **29, 66.287, 329.317**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 69.497, 136.524**, and **26, 48.448, 136.151** is the 20% darker color. If you saturate the color by 10%, you get **45, 69.785, 136.379**, and if you desaturate by 10%, it is **45, 66.623, 137.089**.

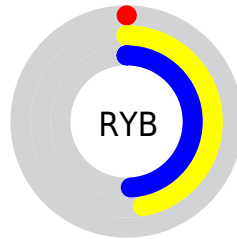
Distribution



Red (0%)

Green (49%)

Blue (2%)



Red (0%)

Yellow (47%)

Blue (49%)

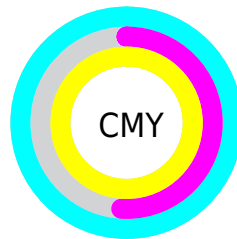


Cyan (99%)

Magenta (0%)

Yellow (96%)

Black (51%)



Cyan (100%)


Magenta (51%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 69.515, 136.435 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 45, 69.515, 136.435 by changing the saturation by 10% instead.


 45, 69.515,
136.435


 45, 69.515,
136.435


 100, 69.515,
136.435

 35, 69.515,
136.435

 65, 69.515,
136.435


 25, 69.515,
136.435

 75, 69.515,
136.435

 15, 69.515,
136.435

 85, 69.515,
136.435

 5, 69.515, 136.435

 95, 69.515,
136.435

 0, 69.515, 136.435

 45, 69.515,

 45, 69.515,

136.435

136.435

■ 45, 69.785,
136.379

■ 45, 66.623,
137.089

■ 45, 62.351,
138.048

■ 46, 56.655,
139.159

■ 46, 49.829,
140.303

■ 47, 42.169,
141.396

■ 48, 33.938,
142.393

■ 49, 25.358,
143.274

■ 50, 16.611,
144.041

Harmonies

Complementary

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



45, 69.515, 136.435



29, 66.287, 329.317

Rectangle

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



45, 69.515, 136.435



45, 69.515, 186.435



45, 69.515, 316.435



45, 69.515, 6.435

Sweetspot

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



45, 69.515, 136.436



62, 32.296, 143.134



50, 56.738, 103.874



32, 22.177, 142.833



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 69.515, 136.436



57, 84.234, 136.285



46, 50.249, 151.029



25, 4.829, 144.707



45, 69.997, 136.377



87, 118.425, 136.170

Inverse Universe

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



29, 66.287, 329.317



38, 80.052, 329.363



26, 49.631, 1.634



24, 4.838, 325.651



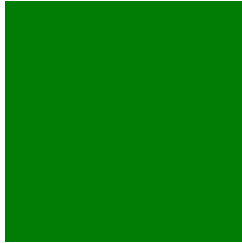
29, 66.703, 329.337



59, 112.157, 329.398

Previews

White Background



This preview shows how the CIELCh color 45, 69.515, 136.435 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 45, 69.515, 136.435 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 45, 69.515, 136.435

Background



This preview shows how black text looks on a background with the CIELCh color 45, 69.515, 136.435.



This preview shows how white text looks on a background with the CIELCh color 45, 69.515, 136.435.

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


45, 69.288, 136.485

Protanopia

45, 51.581, 95.666

Deuteranopia

45, 44.591, 82.425



Tritanopia
45, 20.820, 212.416

Trichromacy



Original Color
45, 69.288, 136.485

Protanomaly
43, 55.719, 120.302

Deuteranomaly
43, 49.045, 116.837

Tritanomaly
44, 37.351, 158.355

Monochromacy



Original Color
45, 69.288, 136.485

Achromatopsia
31, 0.005, 296.813

Achromatomaly
35, 32.322, 141.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 69.515, 136.435 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(1, 124, 5)` looks like.

```
.text, #text, p{  
    color:rgb(1, 124, 5)  
}
```

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(1, 124, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 124, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 69.515, 136.435 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(1, 124, 5) }
```

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

```
.border{ border-color:rgb(1, 124, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 124, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 124, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 124, 5); box-shadow:4px  
4px 4px 4px rgb(1, 124, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 69.515, 136.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 124, 5) }
```

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

```
.background{ background-color: rgb(1, 124,  
5) }
```

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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