

Converting Colors

CIELCh(44, 68.376, 136.222)

Have a look what the booklet for
CIELCh(44, 68.376, 136.222)
contains.

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Color

CIELCh(44, 68.522, 136.283)

Conversions

Conversions Part 1

Format	Color
Hex	027A03
RGB	2, 122, 3
RGB Percent	1%, 48%, 1%
CMY	0.9927, 0.5232, 0.9867
CMYK	0.98, 0.00, 0.97, 0.52
HSL	121°, 97%, 24%
HSV	121°, 98%, 48%
XYZ	6.9513, 13.8382, 2.4021
YIQ	72.5540, -33.3210, -62.4490

Conversions

Conversions Part 2

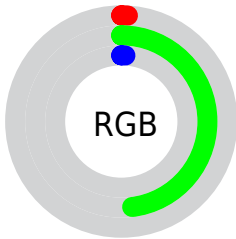
Format	Color
R_{YB}	2, 121, 122
Decimal	162307
CIE Lab	44.00, -49.53, 47.36
CIE LCh	44, 68.522, 136.283
Yxy	13.8382, 0.2997, 0.5967
Android (android.graphics.Color)	4278352387 (0xFF027A03)
YUV	72.5540, -34.2901, -61.8759
Hunter-Lab	37.1997, -31.7445, 22.2113

Details

The CIELCh color **44, 68.522, 136.283** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **28, 65.813, 328.707**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 68.825, 136.309**, and **26, 47.969, 136.192** is the 20% darker color. If you saturate the color by 10%, you get **44, 68.957, 136.188**, and if you desaturate by 10%, it is **44, 65.630, 136.925**.

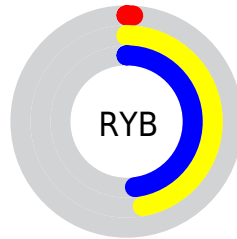
Distribution



Red (1%)

Green (48%)

Blue (1%)



Red (1%)

Yellow (47%)

Blue (48%)

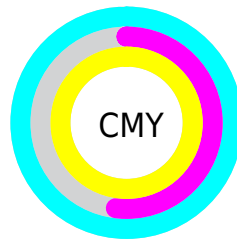


Cyan (98%)

Magenta (0%)

Yellow (97%)

Black (52%)



Cyan (99%)

Magenta (52%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 68.522, 136.283 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 44, 68.522, 136.283 by changing the saturation by 10% instead.

 44, 68.522,
136.283

 44, 68.522,
136.283

 100, 68.522,
136.283

 34, 68.522,
136.283

 64, 68.522,
136.283

 24, 68.522,
136.283

 74, 68.522,
136.283

 14, 68.522,
136.283

 84, 68.522,
136.283

 4, 68.522, 136.283

 94, 68.522,
136.283

 0, 68.522, 136.283

 44, 68.522,

 44, 68.522,

136.283

136.283

■ 44, 68.957,
136.188

■ 44, 65.630,
136.925

■ 44, 61.413,
137.825

■ 45, 55.760,
138.892

■ 45, 48.974,
140.005

■ 46, 41.360,
141.076

■ 47, 33.183,
142.055

■ 48, 24.667,
142.922

■ 49, 15.991,
143.678

Harmonies

Complementary

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



44, 68.522, 136.283



28, 65.813, 328.707

Rectangle

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



44, 68.522, 136.283



44, 68.522, 186.283



44, 68.522, 316.283



44, 68.522, 6.283

Sweetspot

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



44, 68.522, 136.284



61, 32.205, 142.736



49, 55.649, 102.898



31, 21.823, 142.448



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 68.522, 136.284



57, 83.537, 136.142



44, 50.033, 150.333



25, 4.880, 144.299



45, 70.328, 136.183



87, 118.664, 136.087

Inverse Universe

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



28, 65.813, 328.707



37, 80.049, 328.744



25, 48.876, 359.849



24, 4.888, 325.239



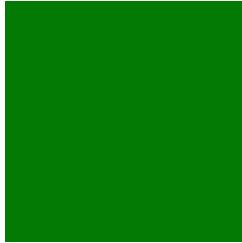
29, 67.471, 328.733



60, 113.519, 328.760

Previews

White Background



This preview shows how the CIELCh color 44, 68.522, 136.283 looks on a white background.

Color Contrast Check

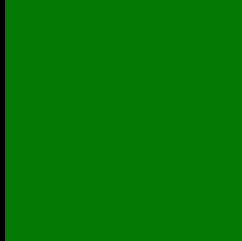
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 68.522, 136.283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

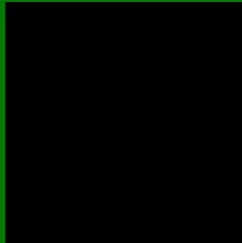
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 68.522, 136.283

Background



This preview shows how black text looks on a background with the CIELCh color 44, 68.522, 136.283.



This preview shows how white text looks on a background with the CIELCh color 44, 68.522, 136.283.

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


44, 68.756, 136.231

Protanopia

44, 50.578, 95.485

Deuteranopia

44, 43.603, 82.588



Tritanopia
44, 20.330, 212.879

Trichromacy



Original Color
44, 68.756, 136.231

Protanomaly
42, 54.845, 120.152

Deuteranomaly
42, 48.105, 116.593

Tritanomaly
43, 36.602, 158.439

Monochromacy



Original Color
44, 68.756, 136.231

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 32.409, 141.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 68.522, 136.283 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, 122, 3)` looks like.

```
.text, #text, p{  
    color:rgb(2, 122, 3)  
}
```

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, 122, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 122, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 68.522, 136.283 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, 122, 3) }
```

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

```
.border{ border-color:rgb(2, 122, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 122, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 122, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 122, 3); box-shadow:4px  
4px 4px 4px rgb(2, 122, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 68.522, 136.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 122, 3) }
```

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

```
.background{ background-color: rgb(2, 122,  
3) }
```

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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