

Converting Colors

CIELCh(44, 68.314, 136.770)

Have a look what the booklet for
CIELCh(44, 68.314, 136.770)
contains.

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Color

CIELCh(44, 68.327, 136.664)

Conversions

Conversions Part 1

Format	Color
Hex	007A05
RGB	0, 122, 5
RGB Percent	0%, 48%, 2%
CMY	1.0000, 0.5229, 0.9786
CMYK	1.00, 0.00, 0.96, 0.52
HSL	123°, 100%, 24%
HSV	123°, 100%, 48%
XYZ	6.9341, 13.8382, 2.4623
YIQ	72.1840, -35.1550, -62.2510

Conversions

Conversions Part 2

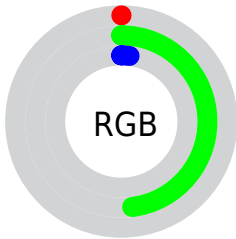
Format	Color
RYB	0, 117, 122
Decimal	31237
CIELab	44.00, -49.70, 46.89
CIELCh	44, 68.327, 136.664
Yxy	13.8382, 0.2984, 0.5956
Android (android.graphics.Color)	4278221317 (0xFF007A05)
YUV	72.1840, -33.1217, -63.3054
Hunter-Lab	37.1997, -31.8267, 22.1154

Details

The CIELCh color $44, 68.327, 136.664$ is a dark color, and the websafe version is hex 006600 . A complement of this color would be $28, 64.603, 330.033$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $64, 68.615, 136.693$, and $25, 47.485, 136.239$ is the 20% darker color. If you saturate the color by 10%, you get $44, 68.275, 136.611$, and if you desaturate by 10%, it is $44, 65.392, 137.285$.

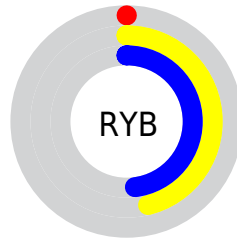
Distribution



Red (0%)

Green (48%)

Blue (2%)



Red (0%)

Yellow (46%)

Blue (48%)

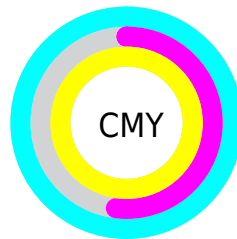


Cyan (100%)

Magenta (0%)

Yellow (96%)

Black (52%)



Cyan (100%)

Magenta (52%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 68.327, 136.664 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, 68.327, 136.664 by changing the saturation by 10% instead.

 44, 68.327,
136.664

 44, 68.327,
136.664

 100, 68.327,
136.664

 34, 68.327,
136.664

 64, 68.327,
136.664

 24, 68.327,
136.664

 74, 68.327,
136.664

 14, 68.327,
136.664


 84, 68.327,
136.664

 4, 68.327, 136.664

 94, 68.327,
136.664

 0, 68.327, 136.664

 44, 68.327,

 44, 68.327,

136.664

136.664

■ 44, 68.275,
136.611

■ 44, 65.392,
137.285

■ 44, 61.220,
138.306

■ 45, 55.700,
139.460

■ 45, 49.102,
140.634

■ 46, 41.700,
141.749

■ 47, 33.740,
142.762

■ 48, 25.432,
143.658

■ 49, 16.953,
144.437

Harmonies

Complementary

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



44, 68.327, 136.664



28, 64.603, 330.033

Rectangle

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



44, 68.327, 136.664



44, 68.327, 186.664



44, 68.327, 316.664



44, 68.327, 6.664

Sweetspot

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



44, 68.275, 136.611



61, 31.511, 143.596



49, 56.094, 104.841



31, 21.355, 143.305



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, 68.275, 136.611



57, 82.907, 136.454



45, 48.833, 151.791



25, 4.774, 145.175



45, 69.631, 136.593



87, 118.156, 136.263

Inverse Universe

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



28, 64.603, 330.033



37, 78.085, 330.079



25, 48.915, 3.383



24, 4.782, 326.125



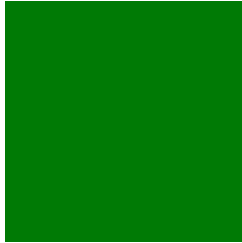
29, 65.851, 330.038



59, 110.648, 330.140

Previews

White Background



This preview shows how the CIELCh color 44, 68.327, 136.664 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, 68.327, 136.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

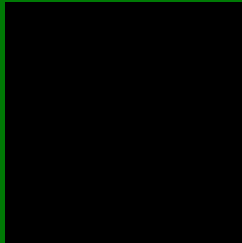
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 68.327, 136.664

Background



This preview shows how black text looks on a background with the CIELCh color 44, 68.327, 136.664.



This preview shows how white text looks on a background with the CIELCh color 44, 68.327, 136.664.

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, 68.504, 136.558

Protanopia

44, 50.578, 95.485

Deuteranopia

44, 43.603, 82.588



Tritanopia
44, 20.330, 212.879

Trichromacy



Original Color
44, 68.504, 136.558

Protanomaly
42, 54.764, 120.668

Deuteranomaly
42, 47.915, 117.239

Tritanomaly
43, 36.336, 159.279

Monochromacy



Original Color
44, 68.504, 136.558

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 31.924, 142.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 68.327, 136.664 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(0, 122, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 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(0, 122, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 68.327, 136.664 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(0, 122, 5) }
```

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

```
.border{ border-color:rgb(0, 122, 5) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 122, 5); box-shadow:4px  
4px 4px 4px rgb(0, 122, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 68.327, 136.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 5) }
```

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

```
.background{ background-color: rgb(0, 122,  
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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