

Converting Colors

CIELCh(44, 63.374, 129.548)

Have a look what the booklet for
CIELCh(44, 63.374, 129.548)
contains.

CIELCh(44, 63.242, 129.835)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 63.242, 129.835)

Conversions

Conversions Part 1

Format	Color
Hex	327700
RGB	50, 119, 0
RGB Percent	20%, 47%, 0%
CMY	0.8045, 0.5338, 1.0000
CMYK	0.58, 0.00, 1.00, 0.53
HSL	95°, 100%, 23%
HSV	95°, 100%, 47%
XYZ	7.8895, 13.8382, 2.2503
YIQ	84.8030, -2.9250, -51.6370

Conversions

Conversions Part 2

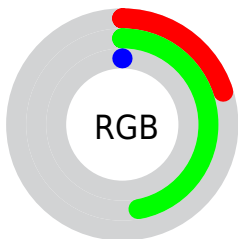
Format	Color
RYB	0, 119, 69
Decimal	3307264
CIELab	44.00, -40.51, 48.56
CIELCh	44, 63.242, 129.835
Yxy	13.8382, 0.3290, 0.5771
Android (android.graphics.Color)	4281497344 (0xFF327700)
YUV	84.8030, -41.8079, -30.5222
Hunter-Lab	37.1997, -27.2423, 22.4533

Details

The CIELCh color **44, 63.242, 129.835** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **18, 69.535, 314.310**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 63.238, 129.959**, and **25, 46.502, 136.352** is the 20% darker color. If you saturate the color by 10%, you get **44, 63.209, 129.854**, and if you desaturate by 10%, it is **44, 59.822, 129.356**.

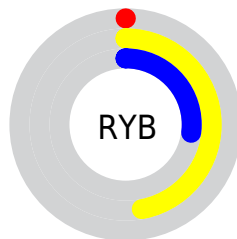
Distribution



Red (20%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (27%)

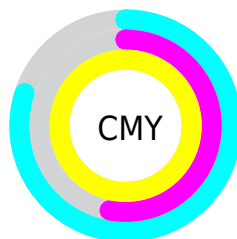


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (80%)


Magenta (53%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 63.242, 129.835 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, 63.242, 129.835 by changing the saturation by 10% instead.


 44, 63.242,
129.835


 44, 63.242,
129.835


 100, 63.242,
129.835


 34, 63.242,
129.835

 64, 63.242,
129.835


 24, 63.242,
129.835

 74, 63.242,
129.835

 14, 63.242,
129.835


 84, 63.242,
129.835

 4, 63.242, 129.835

 94, 63.242,
129.835

 0, 63.242, 129.835

 44, 63.242,

 44, 63.242,

129.835

■ 44, 63.209,
129.854

129.835

■ 44, 59.822,
129.356

■ 45, 55.618,
129.000

■ 45, 50.257,
128.999

■ 46, 44.033,
129.238

■ 46, 37.220,
129.618

■ 47, 30.029,
130.066

■ 47, 22.617,
130.536

■ 48, 15.091,
131.000

Harmonies

Complementary

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



44, 63.242, 129.835



18, 69.535, 314.310

Rectangle

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



44, 63.242, 129.835



44, 63.242, 179.835



44, 63.242, 309.835



44, 63.242, 359.835

Sweetspot

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



44, 63.209, 129.854



61, 28.180, 130.500



34, 47.247, 67.829



32, 19.355, 130.339



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, 63.209, 129.854



57, 77.143, 130.253



43, 66.661, 136.917



24, 4.191, 131.485



45, 64.579, 129.902



88, 110.493, 130.748

Inverse Universe

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



18, 69.535, 314.310



25, 84.685, 314.031



27, 62.513, 330.961



23, 4.236, 312.181



19, 71.024, 314.276



43, 120.984, 313.678

Previews

White Background



This preview shows how the CIELCh color 44, 63.242, 129.835 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, 63.242, 129.835 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, 63.242, 129.835

Background



This preview shows how black text looks on a background with the CIELCh color 44, 63.242, 129.835.



This preview shows how white text looks on a background with the CIELCh color 44, 63.242, 129.835.

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, 63.242, 129.835

Protanopia

44, 50.578, 95.485

Deuteranopia

44, 43.984, 82.620



Tritanopia
44, 15.415, 218.557

Trichromacy



Original Color
44, 63.242, 129.835

Protanomaly
43, 52.521, 111.311

Deuteranomaly
43, 46.958, 106.371

Tritanomaly
43, 30.456, 149.923

Monochromacy



Original Color
44, 63.242, 129.835

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 28.093, 129.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 63.242, 129.835 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(50, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 119, 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(50, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 119, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 63.242, 129.835 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(50, 119, 0) }
```

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

```
.border{ border-color:rgb(50, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(50, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(50, 119, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 63.242, 129.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 119, 0) }
```

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

```
.background{ background-color: rgb(50, 119,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor