

Converting Colors

CIELCh(43, 66.771, 129.575)

Have a look what the booklet for
CIELCh(43, 66.771, 129.575)
contains.

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Color

CIELCh(43, 63.536, 131.362)

Conversions

Conversions Part 1

Format	Color
Hex	2A7500
RGB	42, 117, 0
RGB Percent	16%, 46%, 0%
CMY	0.8363, 0.5420, 1.0000
CMYK	0.64, 0.00, 1.00, 0.54
HSL	99°, 100%, 23%
HSV	99°, 100%, 46%
XYZ	7.2783, 13.1578, 2.1476
YIQ	81.2370, -7.1430, -52.2870

Conversions

Conversions Part 2

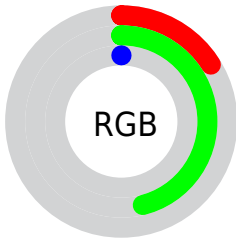
Format	Color
RYB	0, 117, 75
Decimal	2782464
CIELab	43.00, -41.99, 47.69
CIELCh	43, 63.536, 131.362
Yxy	13.1578, 0.3223, 0.5826
Android (android.graphics.Color)	4280972544 (0xFF2A7500)
YUV	81.2370, -40.0498, -34.4108
Hunter-Lab	36.2736, -27.6628, 21.8813

Details

The CIELCh color **43, 63.536, 131.362** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **19, 67.817, 316.034**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.567, 131.212**, and **24, 45.498, 136.491** is the 20% darker color. If you saturate the color by 10%, you get **43, 63.477, 131.396**, and if you desaturate by 10%, it is **43, 60.067, 131.038**.

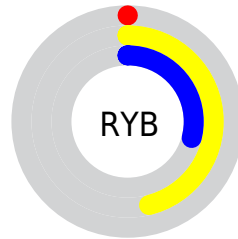
Distribution



Red (16%)

Green (46%)

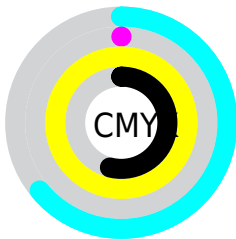
Blue (0%)



Red (0%)

Yellow (46%)

Blue (29%)

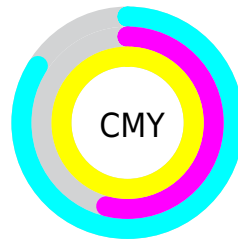


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (84%)


Magenta (54%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 63.536, 131.362 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 43, 63.536, 131.362 by changing the saturation by 10% instead.


 43, 63.536,
131.362


 43, 63.536,
131.362


 100, 63.536,
131.362


 33, 63.536,
131.362

 63, 63.536,
131.362


 23, 63.536,
131.362

 73, 63.536,
131.362

 13, 63.536,
131.362


 83, 63.536,
131.362

 3, 63.536, 131.362

 93, 63.536,
131.362

 0, 63.536, 131.362

 43, 63.536,

 43, 63.536,

131.362

131.362

■ 43, 63.477,
131.396

■ 43, 60.067,
131.038

■ 44, 55.841,
130.785

■ 44, 50.454,
130.867

■ 45, 44.201,
131.172

■ 45, 37.355,
131.602

■ 46, 30.130,
132.086

■ 47, 22.683,
132.579

■ 47, 15.127,
133.055

Harmonies

Complementary

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



43, 63.536, 131.362



19, 67.817, 316.034

Rectangle

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



43, 63.536, 131.362



43, 63.536, 181.362



43, 63.536, 311.362



43, 63.536, 1.362

Sweetspot

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



43, 63.477, 131.396



60, 28.295, 132.541



35, 46.334, 73.863



30, 19.172, 132.379



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 63.477, 131.396



56, 77.521, 131.775



42, 64.244, 137.925



24, 4.260, 133.545



45, 65.703, 131.470



87, 112.404, 132.249

Inverse Universe

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



19, 67.817, 316.034



26, 82.609, 315.769



26, 58.714, 334.088



23, 4.299, 314.230



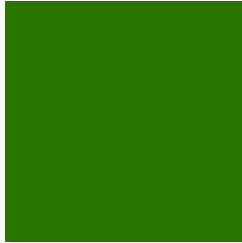
20, 70.160, 315.983



45, 119.404, 315.422

Previews

White Background



This preview shows how the CIELCh color 43, 63.536, 131.362 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 43, 63.536, 131.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

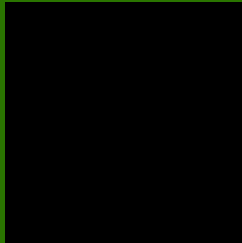
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 43, 63.536, 131.362

Background



This preview shows how black text looks on a background with the CIELCh color 43, 63.536, 131.362.



This preview shows how white text looks on a background with the CIELCh color 43, 63.536, 131.362.

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


43, 63.536, 131.362

Protanopia

43, 49.571, 95.294

Deuteranopia

43, 42.998, 82.794



Tritanopia
43, 16.656, 214.633

Trichromacy



Original Color
43, 63.536, 131.362

Protanomaly
42, 52.129, 112.972

Deuteranomaly
42, 46.300, 108.252

Tritanomaly
43, 32.089, 151.078

Monochromacy



Original Color
43, 63.536, 131.362

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 28.083, 131.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 63.536, 131.362 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(42, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 117, 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(42, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 117, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 63.536, 131.362 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(42, 117, 0) }
```

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

```
.border{ border-color:rgb(42, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 117, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 63.536, 131.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 117, 0) }
```

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

```
.background{ background-color: rgb(42, 117,  
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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