

Converting Colors

CIELCh(43, 66.718, 135.173)

Have a look what the booklet for
CIELCh(43, 66.718, 135.173)
contains.

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Color

CIELCh(43, 66.648, 135.111)

Conversions

Conversions Part 1

Format	Color
Hex	117601
RGB	17, 118, 1
RGB Percent	7%, 46%, 0%
CMY	0.9344, 0.5359, 0.9942
CMYK	0.86, 0.00, 0.99, 0.54
HSL	112°, 98%, 23%
HSV	112°, 99%, 46%
XYZ	6.7533, 13.1578, 2.2261
YIQ	74.4630, -22.6390, -57.7990

Conversions

Conversions Part 2

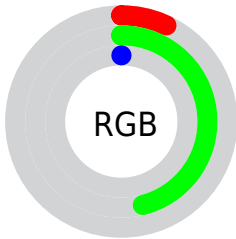
Format	Color
R_{YB}	1, 118, 102
Decimal	1144321
CIE _{Lab}	43.00, -47.22, 47.04
CIE _{LCh}	43, 66.648, 135.111
Yxy	13.1578, 0.3051, 0.5944
Android (android.graphics.Color)	4279334401 (0xFF117601)
YUV	74.4630, -36.2173, -50.3951
Hunter-Lab	36.2736, -30.2462, 21.7529

Details

The CIELCh color **43, 66.648, 135.111** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **24, 65.787, 323.417**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.281, 135.023**, and **24, 46.003, 136.418** is the 20% darker color. If you saturate the color by 10%, you get **43, 67.028, 135.046**, and if you desaturate by 10%, it is **43, 63.486, 135.381**.

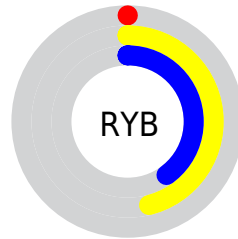
Distribution



Red (7%)

Green (46%)

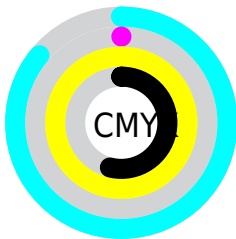
Blue (0%)



Red (0%)

Yellow (46%)

Blue (40%)

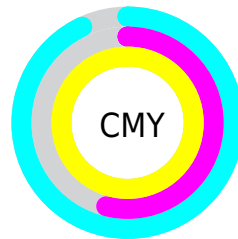


Cyan (86%)

Magenta (0%)

Yellow (99%)

Black (54%)



Cyan (93%)


Magenta (54%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 66.648, 135.111 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, 66.648, 135.111 by changing the saturation by 10% instead.


 43, 66.648,
135.111


 43, 66.648,
135.111


 100, 66.648,
135.111


 33, 66.648,
135.111

 63, 66.648,
135.111


 23, 66.648,
135.111

 73, 66.648,
135.111

 13, 66.648,
135.111

 83, 66.648,
135.111

 3, 66.648, 135.111

 93, 66.648,
135.111


 0, 66.648, 135.111


 43, 66.648,

 43, 66.648,


135.111

135.111

 43, 67.028,
135.046


 43, 63.486,
135.381

 44, 59.153,
135.752


 44, 53.498,
136.363

 44, 46.839,
137.100

 45, 39.475,
137.869

 46, 31.652,
138.612

 47, 23.561,
139.297

 48, 15.350,
139.911

Harmonies

Complementary

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



43, 66.648, 135.111



24, 65.787, 323.417

Rectangle

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



43, 66.648, 135.111



43, 66.648, 185.111



43, 66.648, 315.111



43, 66.648, 5.111

Sweetspot

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



43, 66.648, 135.112



59, 30.335, 139.166



44, 49.998, 93.937



30, 20.555, 138.943



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, 66.648, 135.112



55, 80.936, 135.234



43, 55.544, 144.501



24, 4.554, 140.445



44, 68.692, 135.074



86, 117.062, 135.459

Inverse Universe

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



24, 65.787, 323.417



32, 79.693, 323.286



25, 50.537, 348.700



23, 4.572, 321.232



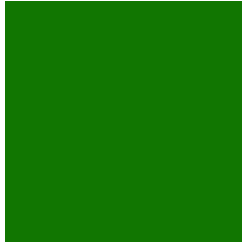
25, 67.762, 323.384



54, 114.972, 323.126

Previews

White Background



This preview shows how the CIELCh color 43, 66.648, 135.111 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, 66.648, 135.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

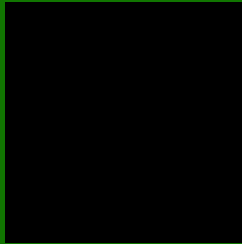
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 66.648, 135.111

Background



This preview shows how black text looks on a background with the CIELCh color 43, 66.648, 135.111.



This preview shows how white text looks on a background with the CIELCh color 43, 66.648, 135.111.

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, 66.574, 135.027

Protanopia

43, 49.837, 95.931

Deuteranopia

43, 42.607, 82.669



Tritanopia
43, 19.398, 213.785

Trichromacy



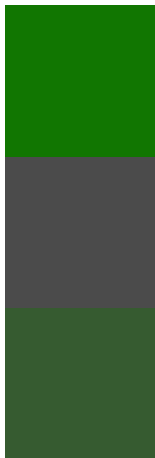
Original Color
43, 66.574, 135.027

Protanomaly
42, 53.367, 117.761

Deuteranomaly
41, 46.635, 113.577

Tritanomaly
42, 35.101, 156.538

Monochromacy



Original Color
43, 66.574, 135.027

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 30.831, 137.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 66.648, 135.111 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(17, 118, 1)` looks like.

```
.text, #text, p{  
    color:rgb(17, 118, 1)  
}
```

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(17, 118, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 118, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 66.648, 135.111 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(17, 118, 1) }
```

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

```
.border{ border-color:rgb(17, 118, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 118, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 118, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 118, 1);  
box-shadow:4px 4px 4px 4px rgb(17, 118, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 66.648, 135.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 118, 1) }
```

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

```
.background{ background-color: rgb(17, 118,  
1) }
```

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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