

Converting Colors

CIELCh(42, 60.209, 155.538)

Have a look what the booklet for
CIELCh(42, 60.209, 155.538)
contains.

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Color

CIELCh(43, 51.082, 148.481)

Conversions

Conversions Part 1

Format	Color
Hex	007637
RGB	0, 118, 55
RGB Percent	0%, 46%, 22%
CMY	1.0000, 0.5384, 0.7853
CMYK	1.00, 0.00, 0.53, 0.54
HSL	148°, 100%, 23%
HSV	148°, 100%, 46%
XYZ	7.1190, 13.1578, 5.7463
YIQ	75.5360, -50.1050, -44.6090

Conversions

Conversions Part 2

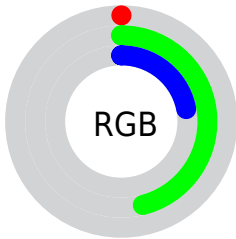
Format	Color
RYB	0, 80, 118
Decimal	30263
CIELab	43.00, -43.55, 26.70
CIELCh	43, 51.082, 148.481
Yxy	13.1578, 0.2736, 0.5056
Android (android.graphics.Color)	4278220343 (0xFF007637)
YUV	75.5360, -10.1242, -66.2451
Hunter-Lab	36.2736, -28.4465, 15.9990

Details

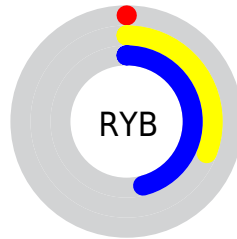
The CIELCh color **43, 51.082, 148.481** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 48.483, 357.070**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 51.131, 148.519**, and **24, 42.968, 139.140** is the 20% darker color. If you saturate the color by 10%, you get **43, 51.038, 148.438**, and if you desaturate by 10%, it is **43, 47.622, 150.364**.

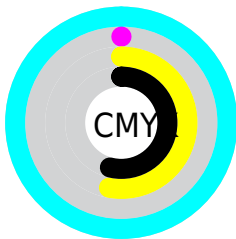
Distribution



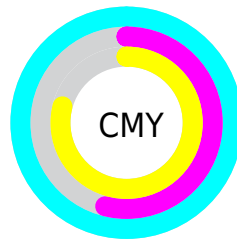
- Red (0%)
- Green (46%)
- Blue (22%)



- Red (0%)
- Yellow (31%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 51.082, 148.481 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, 51.082, 148.481 by changing the saturation by 10% instead.


 43, 51.082,
148.481


 43, 51.082,
148.481


 100, 51.082,
148.481


 33, 51.082,
148.481

 63, 51.082,
148.481


 23, 51.082,
148.481

 73, 51.082,
148.481

 13, 51.082,
148.481

 83, 51.082,
148.481

 3, 51.082, 148.481

 93, 51.082,
148.481

 0, 51.082, 148.481

 43, 51.082,

 43, 51.082,

148.481

148.481

■ 43, 51.038,
148.438

■ 43, 47.622,
150.364

■ 43, 43.849,
152.293

■ 44, 39.540,
154.033

■ 44, 34.733,
155.582

■ 45, 29.495,
156.954

■ 46, 23.915,
158.167

■ 46, 18.089,
159.244

■ 47, 12.107,
160.207

Harmonies

Complementary

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



43, 51.082, 148.481



24, 48.483, 357.070

Rectangle

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



43, 51.082, 148.481



43, 51.082, 198.481



43, 51.082, 328.481



43, 51.082, 18.481

Sweetspot

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



43, 51.038, 148.438



59, 22.411, 159.167



44, 60.270, 125.638



30, 15.163, 158.823



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, 51.038, 148.438



55, 62.514, 147.818



44, 29.459, 189.280



24, 3.396, 161.168



45, 52.598, 148.336



87, 91.722, 146.996

Inverse Universe

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



24, 48.483, 357.070



33, 58.420, 358.099



23, 55.815, 35.624



23, 3.431, 342.459



25, 49.829, 357.236



54, 83.899, 359.528

Previews

White Background



This preview shows how the CIELCh color 43, 51.082, 148.481 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, 51.082, 148.481 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, 51.082, 148.481

Background



This preview shows how black text looks on a background with the CIELCh color 43, 51.082, 148.481.



This preview shows how white text looks on a background with the CIELCh color 43, 51.082, 148.481.

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, 51.082, 148.481

Protanopia

43, 30.830, 95.687

Deuteranopia

43, 25.593, 77.678



Tritanopia
43, 20.901, 212.417

Trichromacy



Original Color
43, 51.082, 148.481

Protanomaly
41, 36.313, 131.525

Deuteranomaly
41, 30.202, 129.671

Tritanomaly
43, 29.039, 175.383

Monochromacy



Original Color
43, 51.082, 148.481

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 22.688, 157.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 51.082, 148.481 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, 118, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 55)  
}
```

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, 118, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 51.082, 148.481 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, 118, 55) }
```

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

```
.border{ border-color:rgb(0, 118, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 51.082, 148.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 55) }
```

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

```
.background{ background-color: rgb(0, 118,  
55) }
```

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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