

Converting Colors

CIELCh(41, 75.312, 159.509)

Have a look what the booklet for
CIELCh(41, 75.312, 159.509)
contains.

CIELCh(43, 53.686, 146.411)	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(43, 53.686, 146.411)

Conversions

Conversions Part 1

Format	Color
Hex	007631
RGB	0, 118, 49
RGB Percent	0%, 46%, 19%
CMY	1.0000, 0.5373, 0.8075
CMYK	1.00, 0.00, 0.58, 0.54
HSL	145°, 100%, 23%
HSV	145°, 100%, 46%
XYZ	7.0005, 13.1578, 5.0850
YIQ	74.8520, -48.1790, -46.4750

Conversions

Conversions Part 2

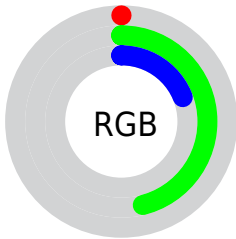
Format	Color
RYB	0, 83, 118
Decimal	30257
CIELab	43.00, -44.72, 29.70
CIELCh	43, 53.686, 146.411
Yxy	13.1578, 0.2773, 0.5212
Android (android.graphics.Color)	4278220337 (0xFF007631)
YUV	74.8520, -12.7450, -65.6452
Hunter-Lab	36.2736, -29.0298, 17.0800

Details

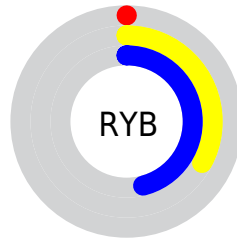
The CIELCh color **43, 53.686, 146.411** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 49.443, 352.898**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 53.466, 146.124**, and **24, 45.660, 136.702** is the 20% darker color. If you saturate the color by 10%, you get **43, 53.533, 146.258**, and if you desaturate by 10%, it is **43, 49.932, 148.142**.

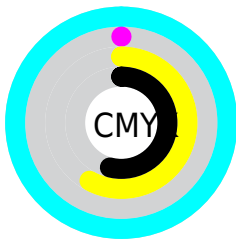
Distribution



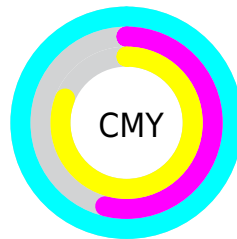
- Red (0%)
- Green (46%)
- Blue (19%)



- Red (0%)
- Yellow (33%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 53.686, 146.411 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, 53.686, 146.411 by changing the saturation by 10% instead.


 43, 53.686,
146.411


 43, 53.686,
146.411


 100, 53.686,
146.411


 33, 53.686,
146.411

 63, 53.686,
146.411


 23, 53.686,
146.411

 73, 53.686,
146.411

 13, 53.686,
146.411

 83, 53.686,
146.411

 3, 53.686, 146.411

 93, 53.686,
146.411

 0, 53.686, 146.411

 43, 53.686,

 43, 53.686,

146.411

146.411

■ 43, 53.533,
146.258

■ 43, 49.932,
148.142

■ 44, 45.934,
150.045

■ 44, 41.375,
151.765

■ 44, 36.299,
153.298

■ 45, 30.786,
154.653

■ 46, 24.930,
155.847

■ 46, 18.833,
156.902

■ 47, 12.590,
157.838

Harmonies

Complementary

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



43, 53.686, 146.411



25, 49.443, 352.898

Rectangle

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



43, 53.686, 146.411



43, 53.686, 196.411



43, 53.686, 326.411



43, 53.686, 16.411

Sweetspot

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



43, 53.533, 146.258



59, 23.292, 156.827



45, 59.413, 123.709



30, 15.765, 156.491



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, 53.533, 146.258



55, 65.466, 145.657



44, 31.010, 182.765



24, 3.521, 158.766



45, 55.074, 146.164



87, 96.063, 144.857

Inverse Universe

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



25, 49.443, 352.898



33, 59.428, 353.763



23, 54.660, 33.532



23, 3.550, 340.002



26, 50.729, 353.031



54, 85.223, 354.977

Previews

White Background



This preview shows how the CIELCh color 43, 53.686, 146.411 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 CIELCh color 43, 53.686, 146.411 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, 53.686, 146.411

Background



This preview shows how black text looks on a background with the CIELCh color 43, 53.686, 146.411.



This preview shows how white text looks on a background with the CIELCh color 43, 53.686, 146.411.

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, 53.576, 146.226

Protanopia
43, 33.923, 96.104

Deuteranopia
43, 28.438, 79.004



Tritanopia
43, 20.700, 212.588

Trichromacy



Original Color
43, 53.576, 146.226



Protanomaly
42, 39.141, 129.350



Deuteranomaly
41, 32.589, 126.900

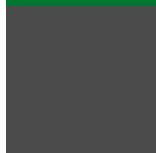


Tritanomaly
43, 30.089, 172.395

Monochromacy



Original Color
43, 53.576, 146.226



Achromatopsia
32, 0.005, 296.813



Achromatomaly
35, 23.576, 155.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 53.686, 146.411 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 53.686, 146.411 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, 49) }
```

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

```
.border{ border-color:rgb(0, 118, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 53.686, 146.411 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, 49) }
```

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

```
.background{ background-color: rgb(0, 118,  
49) }
```

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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