

Converting Colors

CIELCh(43, 56.487, 146.180)

Have a look what the booklet for
CIELCh(43, 56.487, 146.180)
contains.

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Color

CIELCh(43, 55.306, 145.040)

Conversions

Conversions Part 1

Format	Color
Hex	00762D
RGB	0, 118, 45
RGB Percent	0%, 46%, 18%
CMY	1.0000, 0.5368, 0.8228
CMYK	1.00, 0.00, 0.62, 0.54
HSL	143°, 100%, 23%
HSV	143°, 100%, 46%
XYZ	6.9401, 13.1578, 4.6751
YIQ	74.3960, -46.8950, -47.7190

Conversions

Conversions Part 2

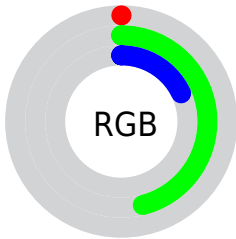
Format	Color
RYB	0, 85, 118
Decimal	30253
CIELab	43.00, -45.33, 31.69
CIElCh	43, 55.306, 145.040
Yxy	13.1578, 0.2801, 0.5311
Android (android.graphics.Color)	4278220333 (0xFF00762D)
YUV	74.3960, -14.4922, -65.2453
Hunter-Lab	36.2736, -29.3269, 17.7500

Details

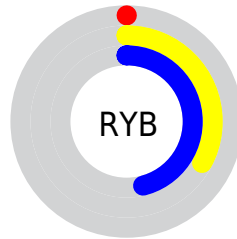
The CIELCh color **43, 55.306, 145.040** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 50.248, 350.193**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 55.144, 144.765**, and **24, 46.003, 136.418** is the 20% darker color. If you saturate the color by 10%, you get **43, 55.172, 144.905**, and if you desaturate by 10%, it is **43, 51.471, 146.748**.

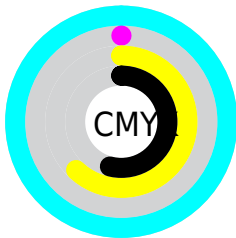
Distribution



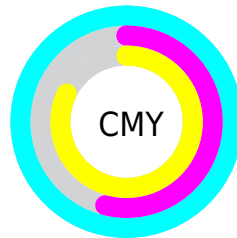
- Red (0%)
- Green (46%)
- Blue (18%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 55.306, 145.040 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, 55.306, 145.040 by changing the saturation by 10% instead.


 43, 55.306,
145.040


 43, 55.306,
145.040


 100, 55.306,
145.040


 33, 55.306,
145.040

 63, 55.306,
145.040


 23, 55.306,
145.040

 73, 55.306,
145.040

 13, 55.306,
145.040

 83, 55.306,
145.040

 3, 55.306, 145.040

 93, 55.306,
145.040

 0, 55.306, 145.040

 43, 55.306,

 43, 55.306,

145.040

145.040

■ 43, 55.172,
144.905

■ 43, 51.471,
146.748

■ 43, 47.338,
148.624

■ 44, 42.619,
150.326

■ 44, 37.369,
151.844

■ 45, 31.672,
153.185

■ 46, 25.630,
154.364

■ 47, 19.348,
155.402

■ 47, 12.926,
156.320

Harmonies

Complementary

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



43, 55.306, 145.040



25, 50.248, 350.193

Rectangle

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



43, 55.306, 145.040



43, 55.306, 195.040



43, 55.306, 325.040



43, 55.306, 15.040

Sweetspot

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



43, 55.172, 144.905



59, 23.909, 155.329



45, 58.839, 122.323



30, 16.187, 154.999



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, 55.172, 144.905



55, 67.413, 144.319



44, 32.203, 178.774



24, 3.609, 157.225



45, 56.714, 144.815



87, 98.906, 143.541

Inverse Universe

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



25, 50.248, 350.193



33, 60.331, 350.950



23, 53.748, 31.769



23, 3.635, 338.424



26, 51.514, 350.306



55, 86.466, 352.019

Previews

White Background



This preview shows how the CIELCh color 43, 55.306, 145.040 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, 55.306, 145.040 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, 55.306, 145.040

Background



This preview shows how black text looks on a background with the CIELCh color 43, 55.306, 145.040.



This preview shows how white text looks on a background with the CIELCh color 43, 55.306, 145.040.

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, 55.192, 144.859

Protanopia

43, 35.926, 96.269

Deuteranopia

43, 30.227, 79.300



Tritanopia
43, 20.700, 212.588

Trichromacy



Original Color
43, 55.192, 144.859

Protanomaly
42, 40.994, 128.065

Deuteranomaly
41, 33.945, 125.136

Tritanomaly
43, 30.439, 171.417

Monochromacy



Original Color
43, 55.192, 144.859

Achromatopsia
31, 0.005, 296.813

Achromatomaly
35, 24.061, 154.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 55.306, 145.040 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 55.306, 145.040 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, 45) }
```

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

```
.border{ border-color:rgb(0, 118, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 55.306, 145.040 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, 45) }
```

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

```
.background{ background-color: rgb(0, 118,  
45) }
```

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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