

Converting Colors

CIELCh(44, 39.089, 164.078)

Have a look what the booklet for
CIELCh(44, 39.089, 164.078)
contains.

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Color

CIELCh(44, 38.957, 163.904)

Conversions

Conversions Part 1

Format	Color
Hex	007755
RGB	0, 119, 85
RGB Percent	0%, 47%, 33%
CMY	1.0000, 0.5335, 0.6668
CMYK	1.00, 0.00, 0.29, 0.53
HSL	163°, 100%, 23%
HSV	163°, 100%, 47%
XYZ	8.2287, 13.8382, 10.8236
YIQ	79.5430, -60.0100, -35.8020

Conversions

Conversions Part 2

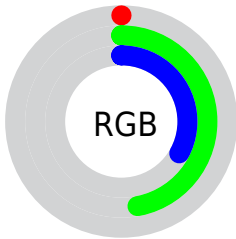
Format	Color
RYB	0, 69, 119
Decimal	30549
CIELab	44.00, -37.43, 10.80
CIELCh	44, 38.957, 163.904
Yxy	13.8382, 0.2502, 0.4207
Android (android.graphics.Color)	4278220629 (0xFF007755)
YUV	79.5430, 2.6903, -69.7592
Hunter-Lab	37.1997, -25.6149, 8.7889

Details

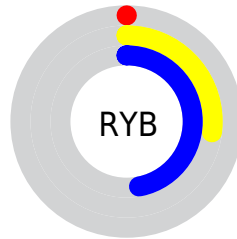
The CIELCh color **44, 38.957, 163.904** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 49.615, 19.963**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 38.779, 164.132**, and **25, 30.270, 156.341** is the 20% darker color. If you saturate the color by 10%, you get **44, 38.951, 163.899**, and if you desaturate by 10%, it is **44, 36.829, 165.727**.

Distribution



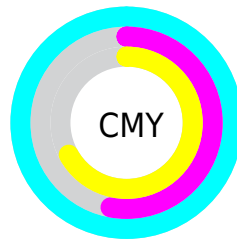
- Red (0%)
- Green (47%)
- Blue (33%)



- Red (0%)
- Yellow (27%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 38.957, 163.904 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 44, 38.957, 163.904 by changing the saturation by 10% instead.

 44, 38.957,
163.904


 44, 38.957,
163.904


 100, 38.957,
163.904

 34, 38.957,
163.904

 64, 38.957,
163.904

 24, 38.957,
163.904

 74, 38.957,
163.904

 14, 38.957,
163.904

 84, 38.957,
163.904

 4, 38.957, 163.904

 94, 38.957,
163.904

 0, 38.957, 163.904

 44, 38.957,

 44, 38.957,

163.904

163.904

■ 44, 38.951,
163.899

■ 44, 36.829,
165.727

■ 44, 34.404,
167.514

■ 45, 31.461,
169.123

■ 45, 28.009,
170.572

■ 46, 24.090,
171.879

■ 46, 19.768,
173.068

■ 47, 15.121,
174.159

■ 48, 10.228,
175.172

Harmonies

Complementary

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



44, 38.957, 163.904



24, 49.615, 19.963

Rectangle

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



44, 38.957, 163.904



44, 38.957, 213.904



44, 38.957, 343.904



44, 38.957, 33.904

Sweetspot

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



44, 38.951, 163.899



61, 18.809, 174.079



44, 65.266, 132.645



31, 12.852, 173.713



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 38.951, 163.899



57, 47.734, 163.313



37, 24.922, 233.926



24, 2.875, 176.233



45, 39.796, 163.830



88, 68.791, 162.567

Inverse Universe

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



24, 49.615, 19.963



32, 60.760, 21.550



25, 54.484, 43.148



23, 2.951, 357.700



25, 50.685, 20.150



53, 87.584, 23.559

Previews

White Background



This preview shows how the CIELCh color 44, 38.957, 163.904 looks on a white background.

Color Contrast Check

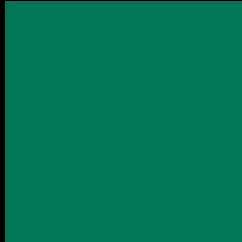
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 38.957, 163.904 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 44, 38.957, 163.904

Background



This preview shows how black text looks on a background with the CIELCh color 44, 38.957, 163.904.



This preview shows how white text looks on a background with the CIELCh color 44, 38.957, 163.904.

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


44, 38.957, 163.904

Protanopia

44, 15.769, 96.350

Deuteranopia

44, 10.729, 57.655



Tritanopia
44, 22.846, 210.878

Trichromacy



Original Color
44, 38.957, 163.904

Protanomaly
43, 23.033, 150.175

Deuteranomaly
42, 17.176, 155.730

Tritanomaly
44, 27.347, 187.488

Monochromacy



Original Color
44, 38.957, 163.904

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 18.328, 173.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 38.957, 163.904 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, 119, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 85)  
}
```

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, 119, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 38.957, 163.904 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, 119, 85) }
```

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

```
.border{ border-color:rgb(0, 119, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 38.957, 163.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 85) }
```

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

```
.background{ background-color: rgb(0, 119,  
85) }
```

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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