

Converting Colors

CIELCh(44, 35.930, 158.068)

Have a look what the booklet for
CIELCh(44, 35.930, 158.068)
contains.

CIELCh(44, 35.534, 158.535)	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(44, 35.534, 158.535)

Conversions

Conversions Part 1

Format	Color
Hex	267551
RGB	38, 117, 81
RGB Percent	15%, 46%, 32%
CMY	0.8491, 0.5396, 0.6809
CMYK	0.67, 0.00, 0.31, 0.54
HSL	153°, 51%, 31%
HSV	153°, 67%, 46%
XYZ	8.7250, 13.8382, 10.0699
YIQ	89.2750, -35.5280, -27.9440

Conversions

Conversions Part 2

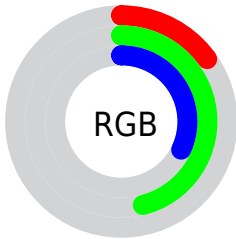
Format	Color
R_{YB}	38, 89, 117
Decimal	2520401
CIE _{Lab}	44.00, -33.07, 13.00
CIE _{LCh}	44, 35.534, 158.535
Yxy	13.8382, 0.2674, 0.4241
Android (android.graphics.Color)	4280710481 (0xFF267551)
YUV	89.2750, -4.0796, -44.9682
Hunter-Lab	37.1997, -23.2334, 9.9901

Details

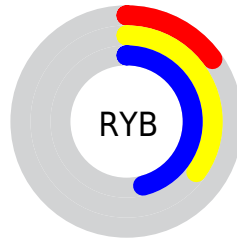
The CIELCh color **44, 35.534, 158.535** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **29, 38.271, 354.439**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 35.801, 158.119**, and **25, 31.554, 153.561** is the 20% darker color. If you saturate the color by 10%, you get **44, 39.556, 156.842**, and if you desaturate by 10%, it is **44, 31.040, 160.043**.

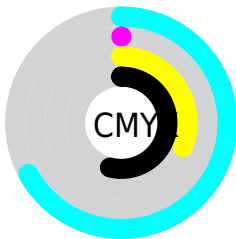
Distribution



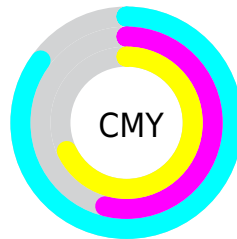
- Red (15%)
- Green (46%)
- Blue (32%)



- Red (15%)
- Yellow (35%)
- Blue (46%)



- Cyan (67%)
- Magenta (0%)
- Yellow (31%)
- Black (54%)





- Cyan (85%)
- Magenta (54%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 35.534, 158.535 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, 35.534, 158.535 by changing the saturation by 10% instead.


 44, 35.534,
158.535


 44, 35.534,
158.535


 100, 35.534,
158.535


 34, 35.534,
158.535

 64, 35.534,
158.535


 24, 35.534,
158.535

 74, 35.534,
158.535

 14, 35.534,
158.535

 84, 35.534,
158.535

 4, 35.534, 158.535

 94, 35.534,
158.535

 0, 35.534, 158.535

 44, 35.534,

 44, 35.534,

158.535

■ 44, 39.556,
156.842

■ 43, 43.069,
154.955

■ 43, 46.161,
152.958

■ 43, 47.007,
152.443

158.535

■ 44, 31.040,
160.043

■ 45, 26.137,
161.384

■ 46, 20.908,
162.581

■ 47, 15.442,
163.655

■ 48, 9.822, 164.630

■ 49, 4.125, 165.546

■ 50, 1.586, 346.098

■ 51, 7.259, 346.978

■ 52, 12.855,
347.681

Harmonies

Complementary

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



44, 35.534, 158.535



29, 38.271, 354.439

Rectangle

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



44, 35.534, 158.535



44, 35.534, 208.535



44, 35.534, 338.535



44, 35.534, 28.535

Sweetspot

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



44, 35.534, 158.535



61, 14.146, 164.319



45, 47.465, 127.500



31, 9.583, 164.107



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 35.534, 158.535



56, 50.474, 155.764



44, 23.415, 200.782



24, 3.210, 165.380



45, 48.534, 152.333



87, 84.516, 150.971

Inverse Universe

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



29, 38.271, 354.439



35, 53.391, 358.402



28, 38.582, 30.307



23, 3.256, 346.754



25, 49.084, 4.359



54, 83.144, 7.168

Previews

White Background



This preview shows how the CIELCh color 44, 35.534, 158.535 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, 35.534, 158.535 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, 35.534, 158.535

Background



This preview shows how black text looks on a background with the CIELCh color 44, 35.534, 158.535.



This preview shows how white text looks on a background with the CIELCh color 44, 35.534, 158.535.

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, 35.534, 158.535

Protanopia

44, 17.048, 95.375

Deuteranopia

44, 12.696, 61.083



Tritanopia
44, 19.431, 213.719

Trichromacy



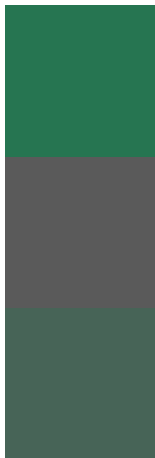
Original Color
44, 35.534, 158.535

Protanomaly
43, 20.967, 135.725

Deuteranomaly
43, 14.859, 135.693

Tritanomaly
44, 22.869, 186.172

Monochromacy



Original Color
44, 35.534, 158.535

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 14.308, 163.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 35.534, 158.535 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(38, 117, 81)` looks like.

```
.text, #text, p{  
    color:rgb(38, 117, 81)  
}
```

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(38, 117, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 117, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 35.534, 158.535 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(38, 117, 81) }
```

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

```
.border{ border-color:rgb(38, 117, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 117, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 117, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 117, 81);  
box-shadow:4px 4px 4px 4px rgb(38, 117,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 35.534, 158.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 117, 81) }
```

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

```
.background{ background-color: rgb(38, 117,  
81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor