

Converting Colors

CIELCh(45, 35.543, 149.807)

Have a look what the booklet for
CIELCh(45, 35.543, 149.807)
contains.

CIELCh(45, 35.411, 150.157)	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(45, 35.411, 150.157)

Conversions

Conversions Part 1

Format	Color
Hex	38774C
RGB	56, 119, 76
RGB Percent	22%, 47%, 30%
CMY	0.7806, 0.5335, 0.7021
CMYK	0.53, 0.00, 0.36, 0.53
HSL	139°, 36%, 34%
HSV	139°, 53%, 47%
XYZ	9.5215, 14.5417, 9.1338
YIQ	95.2610, -23.7450, -26.7290

Conversions

Conversions Part 2

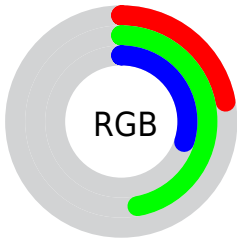
Format	Color
RYB	56, 104, 119
Decimal	3700556
CIELab	45.00, -30.72, 17.62
CIELCh	45, 35.411, 150.157
Yxy	14.5417, 0.2868, 0.4380
Android (android.graphics.Color)	4281890636 (0xFF38774C)
YUV	95.2610, -9.4957, -34.4319
Hunter-Lab	38.1336, -22.1647, 12.4922

Details

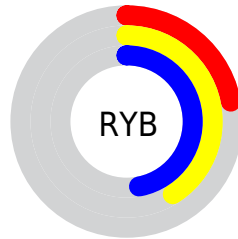
The CIELCh color **45, 35.411, 150.157** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **33, 35.766, 339.071**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 35.568, 149.872**, and **25, 35.078, 149.175** is the 20% darker color. If you saturate the color by 10%, you get **44, 41.353, 148.797**, and if you desaturate by 10%, it is **46, 29.076, 151.352**.

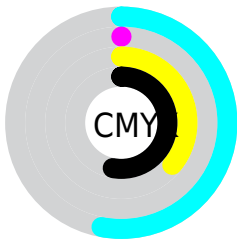
Distribution



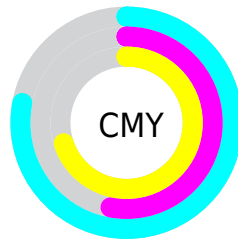
- Red (22%)
- Green (47%)
- Blue (30%)



- Red (22%)
- Yellow (41%)
- Blue (47%)



- Cyan (53%)
- Magenta (0%)
- Yellow (36%)
- Black (53%)





- Cyan (78%)
- Magenta (53%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.411, 150.157 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 45, 35.411, 150.157 by changing the saturation by 10% instead.


 45, 35.411,
150.157


 45, 35.411,
150.157


 100, 35.411,
150.157


 35, 35.411,
150.157


 65, 35.411,
150.157


 25, 35.411,
150.157


 75, 35.411,
150.157

 15, 35.411,
150.157

 85, 35.411,
150.157

 5, 35.411, 150.157

 95, 35.411,
150.157

 0, 35.411, 150.157

 45, 35.411,

 45, 35.411,

150.157

■ 44, 41.353,
148.797

■ 44, 46.786,
147.263

■ 44, 51.616,
145.562

■ 43, 55.782,
143.727

■ 43, 58.450,
142.545

150.157

■ 46, 29.076,
151.352

■ 47, 22.463,
152.400

■ 47, 15.685,
153.318

■ 48, 8.839, 154.131

■ 50, 2.008, 154.927

■ 51, 4.746, 335.386

■ 52, 11.376,
335.973

■ 54, 17.849,
336.482

■ 55, 24.145,

Harmonies

Complementary

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



45, 35.411, 150.157



33, 35.766, 339.071

Rectangle

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



45, 35.411, 150.157



45, 35.411, 200.157



45, 35.411, 330.157



45, 35.411, 20.157

Sweetspot

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



45, 35.412, 150.157



62, 13.602, 153.861



47, 36.761, 119.662



32, 9.258, 153.729



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 35.412, 150.157



57, 52.055, 148.405



46, 23.326, 179.615



24, 3.787, 154.431



44, 59.751, 142.478



86, 104.087, 141.291

Inverse Universe

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



33, 35.766, 339.071



40, 51.915, 340.361



32, 29.408, 11.596



23, 3.807, 335.561



26, 53.400, 345.368



55, 89.596, 346.653

Previews

White Background



This preview shows how the CIELCh color 45, 35.411, 150.157 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 45, 35.411, 150.157 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 45, 35.411, 150.157

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.411, 150.157.



This preview shows how white text looks on a background with the CIELCh color 45, 35.411, 150.157.

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

45, 35.411, 150.157

Protanopia

45, 21.058, 95.832

Deuteranopia

45, 16.925, 69.972



Tritanopia
45, 16.222, 217.334

Trichromacy



Original Color
45, 35.411, 150.157

Protanomaly
45, 23.536, 125.642

Deuteranomaly
44, 17.499, 119.366

Tritanomaly
45, 19.763, 179.492

Monochromacy



Original Color
45, 35.411, 150.157

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 13.660, 152.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.411, 150.157 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(56, 119, 76)` looks like.

```
.text, #text, p{  
    color:rgb(56, 119, 76)  
}
```

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(56, 119, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 119, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.411, 150.157 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(56, 119, 76) }
```

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

```
.border{ border-color:rgb(56, 119, 76) }
```

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

Here you see how a box with a 4 pixel rgb(56, 119, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 119, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 119, 76);  
box-shadow:4px 4px 4px 4px rgb(56, 119,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.411, 150.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 119, 76) }
```

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

```
.background{ background-color: rgb(56, 119,  
76) }
```

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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