

Converting Colors

CIELCh(44, 45.509, 142.919)

Have a look what the booklet for
CIELCh(44, 45.509, 142.919)
contains.

CIELCh(44, 45.504, 142.857)	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, 45.504, 142.857)

Conversions

Conversions Part 1

Format	Color
Hex	2F7638
RGB	47, 118, 56
RGB Percent	18%, 46%, 22%
CMY	0.8158, 0.5374, 0.7805
CMYK	0.60, 0.00, 0.53, 0.54
HSL	128°, 43%, 32%
HSV	128°, 60%, 46%
XYZ	8.3585, 13.8382, 5.9682
YIQ	89.7030, -22.4140, -34.3340

Conversions

Conversions Part 2

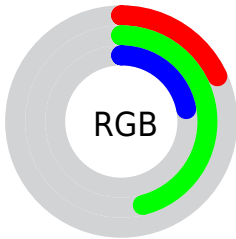
Format	Color
RYB	47, 110, 118
Decimal	3110456
CIELab	44.00, -36.27, 27.48
CIElCh	44, 45.504, 142.857
Yxy	13.8382, 0.2968, 0.4913
Android (android.graphics.Color)	4281300536 (0xFF2F7638)
YUV	89.7030, -16.6156, -37.4505
Hunter-Lab	37.1997, -24.9919, 16.5276




Details

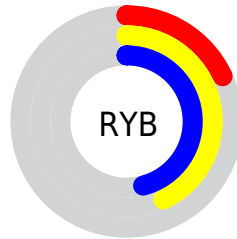
The CIELCh color **44, 45.504, 142.857** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **32, 44.960, 331.546**, and the grayscale version is **38, 0.005, 296.813**.




A 20% lighter version of the original color is **64, 45.798, 142.801**, and **25, 43.149, 139.373** is the 20% darker color. If you saturate the color by 10%, you get **44, 51.770, 141.559**, and if you desaturate by 10%, it is **45, 38.594, 144.043**.

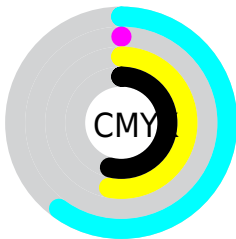
Distribution







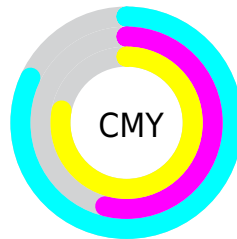
-  Red (18%)
-  Green (46%)
-  Blue (22%)






-  Red (18%)
-  Yellow (43%)
-  Blue (46%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (53%)
-  Black (54%)




-  Cyan (82%)
-  Magenta (54%)
-  Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 45.504, 142.857 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, 45.504, 142.857 by changing the saturation by 10% instead.


 44, 45.504,
142.857


 44, 45.504,
142.857


 100, 45.504,
142.857


 34, 45.504,
142.857

 64, 45.504,
142.857


 24, 45.504,
142.857

 74, 45.504,
142.857

 14, 45.504,
142.857

 84, 45.504,
142.857

 4, 45.504, 142.857

 94, 45.504,
142.857

 0, 45.504, 142.857

 44, 45.504,

 44, 45.504,

142.857

142.857

■ 44, 51.770,
141.559

■ 45, 38.594,
144.043

■ 43, 57.197,
140.194

■ 45, 31.225,
145.097

■ 43, 61.593,
138.841

■ 46, 23.564,
146.020

■ 43, 64.907,
137.798

■ 47, 15.756,
146.822

■ 48, 7.917, 147.523

■ 50, 0.140, 149.490

■ 51, 7.508, 328.578

■ 52, 14.982,
329.035

■ 54, 22.250,

Harmonies

Complementary

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



44, 45.504, 142.857



32, 44.960, 331.546

Rectangle

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



44, 45.504, 142.857



44, 45.504, 192.857



44, 45.504, 322.857



44, 45.504, 12.857

Sweetspot

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



44, 45.505, 142.857



61, 17.373, 146.950



48, 39.729, 110.431



31, 12.007, 146.776



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, 45.505, 142.857



56, 64.988, 141.071



45, 30.456, 163.910



24, 4.350, 147.599



44, 66.733, 137.742



86, 115.064, 137.040

Inverse Universe

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



32, 44.960, 331.546



38, 63.022, 332.308



30, 34.116, 358.180



23, 4.360, 328.578



27, 60.987, 333.795



57, 102.854, 334.149

Previews

White Background



This preview shows how the CIELCh color 44, 45.504, 142.857 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 44, 45.504, 142.857 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, 45.504, 142.857

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.504, 142.857.



This preview shows how white text looks on a background with the CIELCh color 44, 45.504, 142.857.

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, 45.504, 142.857

Protanopia

44, 31.168, 96.782

Deuteranopia

44, 26.270, 77.362



Tritanopia
44, 16.745, 216.698

Trichromacy



Original Color
44, 45.504, 142.857

Protanomaly
43, 33.444, 120.679

Deuteranomaly
43, 27.749, 114.792

Tritanomaly
44, 23.257, 170.742

Monochromacy



Original Color
44, 45.504, 142.857

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 17.382, 147.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.504, 142.857 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(47, 118, 56)` looks like.

```
.text, #text, p{  
    color:rgb(47, 118, 56)  
}
```

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(47, 118, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 118, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.504, 142.857 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(47, 118, 56) }
```

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

```
.border{ border-color:rgb(47, 118, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 118, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 118, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 118, 56);  
box-shadow:4px 4px 4px 4px rgb(47, 118,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.504, 142.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 118, 56) }
```

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

```
.background{ background-color: rgb(47, 118,  
56) }
```

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