

Converting Colors

CIELCh(41, 70.936, 167.206)

Have a look what the booklet for
CIELCh(41, 70.936, 167.206)
contains.

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Color

CIELCh(44, 45.645, 154.500)

Conversions

Conversions Part 1

Format	Color
Hex	027846
RGB	2, 120, 70
RGB Percent	1%, 47%, 27%
CMY	0.9922, 0.5302, 0.7265
CMYK	0.98, 0.00, 0.42, 0.53
HSL	154°, 97%, 24%
HSV	154°, 98%, 47%
XYZ	7.8152, 13.8382, 8.0088
YIQ	79.0180, -54.2780, -40.5660

Conversions

Conversions Part 2

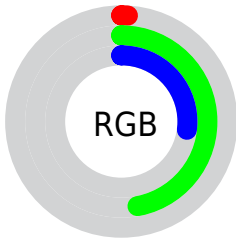
Format	Color
RYB	2, 77, 120
Decimal	161862
CIELab	44.00, -41.20, 19.65
CIELCh	44, 45.645, 154.500
Yxy	13.8382, 0.2635, 0.4665
Android (android.graphics.Color)	4278351942 (0xFF027846)
YUV	79.0180, -4.4459, -67.5448
Hunter-Lab	37.1997, -27.5989, 13.2752

Details

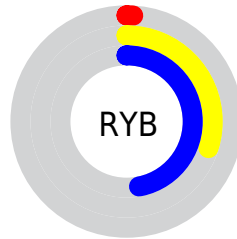
The CIELCh color **44, 45.645, 154.500** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 47.916, 6.560**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 45.311, 154.643**, and **25, 37.807, 145.630** is the 20% darker color. If you saturate the color by 10%, you get **44, 46.134, 154.189**, and if you desaturate by 10%, it is **44, 42.703, 156.494**.

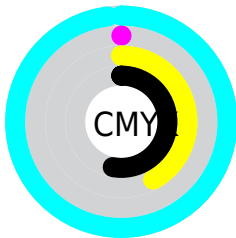
Distribution



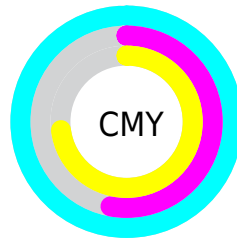
- Red (1%)
- Green (47%)
- Blue (27%)



- Red (1%)
- Yellow (30%)
- Blue (47%)



- Cyan (98%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)



- Cyan (99%)
- Magenta (53%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 45.645, 154.500 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, 45.645, 154.500 by changing the saturation by 10% instead.

 44, 45.645,
154.500

 44, 45.645,
154.500


 100, 45.645,
154.500

 34, 45.645,
154.500

 64, 45.645,
154.500


 24, 45.645,
154.500

 74, 45.645,
154.500

 14, 45.645,
154.500

 84, 45.645,
154.500

 4, 45.645, 154.500

 94, 45.645,
154.500

 0, 45.645, 154.500

 44, 45.645,

 44, 45.645,

154.500

154.500

■ 44, 46.134,
154.189

■ 44, 42.703,
156.494

■ 44, 39.372,
158.403

■ 45, 35.524,
160.117

■ 45, 31.188,
161.647

■ 46, 26.424,
163.010

■ 47, 21.310,
164.230

■ 47, 15.934,
165.328

■ 48, 10.382,
166.327

Harmonies

Complementary

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



44, 45.645, 154.500



25, 47.916, 6.560

Rectangle

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



44, 45.645, 154.500



44, 45.645, 204.500



44, 45.645, 334.500



44, 45.645, 24.500

Sweetspot

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



44, 45.645, 154.500



61, 20.170, 165.182



44, 62.742, 129.413



31, 13.896, 164.806



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, 45.645, 154.500



56, 56.400, 153.574



43, 26.299, 207.133



24, 3.141, 167.199



45, 46.896, 154.133



87, 81.588, 152.773

Inverse Universe

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



25, 47.916, 6.560



33, 58.397, 8.501



24, 56.373, 38.925



23, 3.191, 348.603



25, 49.043, 7.292



53, 83.339, 10.280

Previews

White Background



This preview shows how the CIELCh color 44, 45.645, 154.500 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, 45.645, 154.500 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, 45.645, 154.500

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.645, 154.500.



This preview shows how white text looks on a background with the CIELCh color 44, 45.645, 154.500.

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, 45.634, 154.576

Protanopia

44, 24.513, 96.708

Deuteranopia

44, 18.312, 70.765



Tritanopia
44, 21.960, 211.531

Trichromacy



Original Color

44, 45.634, 154.576



Protanomaly

43, 30.973, 137.259



Deuteranomaly

42, 23.616, 137.884



Tritanomaly

44, 28.093, 181.353

Monochromacy



Original Color

44, 45.634, 154.576



Achromatopsia

34, 0.005, 296.813



Achromatomaly

36, 20.516, 163.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.645, 154.500 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(2, 120, 70)` looks like.

```
.text, #text, p{  
    color:rgb(2, 120, 70)  
}
```

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(2, 120, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 120, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.645, 154.500 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(2, 120, 70) }
```

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

```
.border{ border-color:rgb(2, 120, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 120, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(2, 120, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.645, 154.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 120, 70) }
```

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

```
.background{ background-color: rgb(2, 120,  
70) }
```

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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