

Converting Colors

CIELCh(44, 50.388, 149.452)

Have a look what the booklet for
CIELCh(44, 50.388, 149.452)
contains.

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Color

CIELCh(44, 50.270, 149.492)

Conversions

Conversions Part 1

Format	Color
Hex	04783B
RGB	4, 120, 59
RGB Percent	2%, 47%, 23%
CMY	0.9856, 0.5284, 0.7677
CMYK	0.97, 0.00, 0.51, 0.53
HSL	149°, 94%, 24%
HSV	149°, 97%, 47%
XYZ	7.5897, 13.8382, 6.4410
YIQ	78.3620, -49.5550, -43.5630

Conversions

Conversions Part 2

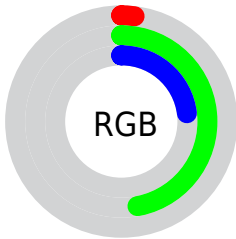
Format	Color
RYB	4, 83, 120
Decimal	292923
CIELab	44.00, -43.31, 25.52
CIELCh	44, 50.270, 149.492
Yxy	13.8382, 0.2723, 0.4965
Android (android.graphics.Color)	4278483003 (0xFF04783B)
YUV	78.3620, -9.5455, -65.2155
Hunter-Lab	37.1997, -28.6812, 15.7739

Details

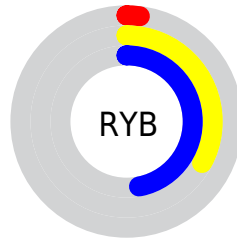
The CIELCh color **44, 50.270, 149.492** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 48.527, 357.282**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 50.243, 149.384**, and **25, 42.294, 140.639** is the 20% darker color. If you saturate the color by 10%, you get **44, 51.305, 148.928**, and if you desaturate by 10%, it is **44, 46.801, 151.489**.

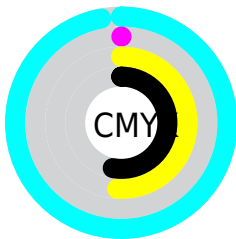
Distribution



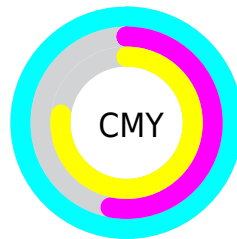
- Red (2%)
- Green (47%)
- Blue (23%)



- Red (2%)
- Yellow (33%)
- Blue (47%)



- Cyan (97%)
- Magenta (0%)
- Yellow (51%)
- Black (53%)



- Cyan (99%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 50.270, 149.492 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, 50.270, 149.492 by changing the saturation by 10% instead.


 44, 50.270,
149.492

 44, 50.270,
149.492


 100, 50.270,
149.492

 34, 50.270,
149.492

 64, 50.270,
149.492


 24, 50.270,
149.492

 74, 50.270,
149.492

 14, 50.270,
149.492

 84, 50.270,
149.492

 4, 50.270, 149.492

 94, 50.270,
149.492

 0, 50.270, 149.492

 44, 50.270,

 44, 50.270,

149.492

149.492

■ 44, 51.305,
148.928

■ 44, 46.801,
151.489

■ 45, 42.861,
153.373

■ 45, 38.385,
155.064

■ 45, 33.420,
156.566

■ 46, 28.041,
157.895

■ 47, 22.342,
159.073

■ 48, 16.416,
160.121

■ 49, 10.356,
161.063

Harmonies

Complementary

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



44, 50.270, 149.492



25, 48.527, 357.282

Rectangle

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



44, 50.270, 149.492



44, 50.270, 199.492



44, 50.270, 329.492



44, 50.270, 19.492

Sweetspot

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



44, 50.270, 149.492



60, 21.774, 159.844



45, 60.547, 126.115



31, 15.019, 159.481



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, 50.270, 149.492



56, 62.606, 148.327



45, 29.232, 191.707



25, 3.490, 161.752



46, 52.839, 148.829



88, 91.404, 147.524

Inverse Universe

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



25, 48.527, 357.282



33, 58.942, 359.212



24, 56.026, 35.968



24, 3.528, 343.069



26, 50.392, 358.347



55, 84.322, 0.654

Previews

White Background



This preview shows how the CIELCh color 44, 50.270, 149.492 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, 50.270, 149.492 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, 50.270, 149.492

Background



This preview shows how black text looks on a background with the CIELCh color 44, 50.270, 149.492.



This preview shows how white text looks on a background with the CIELCh color 44, 50.270, 149.492.

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, 50.210, 149.433

Protanopia

44, 29.561, 96.583

Deuteranopia

44, 23.943, 76.176



Tritanopia
44, 21.385, 213.708

Trichromacy



Original Color
44, 50.210, 149.433

Protanomaly
43, 35.212, 132.396

Deuteranomaly
42, 28.384, 130.379

Tritanomaly
44, 28.989, 176.769

Monochromacy



Original Color
44, 50.210, 149.433

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 21.931, 158.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 50.270, 149.492 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(4, 120, 59)` looks like.

```
.text, #text, p{  
    color:rgb(4, 120, 59)  
}
```

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(4, 120, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 120, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 50.270, 149.492 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(4, 120, 59) }
```

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

```
.border{ border-color:rgb(4, 120, 59) }
```

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

Here you see how a box with a 4 pixel rgb(4, 120, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 120, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 120, 59);  
box-shadow:4px 4px 4px 4px rgb(4, 120, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 50.270, 149.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 120, 59) }
```

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

```
.background{ background-color: rgb(4, 120,  
59) }
```

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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