

Converting Colors

CIELCh(45, 75.708, 162.142)

Have a look what the booklet for
CIELCh(45, 75.708, 162.142)
contains.

CIELCh(47, 53.212, 149.881)	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(47, 53.212, 149.881)

Conversions

Conversions Part 1

Format	Color
Hex	008140
RGB	0, 129, 64
RGB Percent	0%, 51%, 25%
CMY	1.0000, 0.4946, 0.7490
CMYK	1.00, 0.00, 0.50, 0.49
HSL	150°, 100%, 25%
HSV	150°, 100%, 51%
XYZ	8.7218, 16.0195, 7.4821
YIQ	83.0190, -56.0190, -47.5630

Conversions

Conversions Part 2

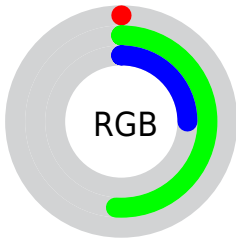
Format	Color
RYB	0, 86, 129
Decimal	33088
CIELab	47.00, -46.03, 26.70
CIELCh	47, 53.212, 149.881
Yxy	16.0195, 0.2707, 0.4971
Android (android.graphics.Color)	4278223168 (0xFF008140)
YUV	83.0190, -9.3764, -72.8077
Hunter-Lab	40.0243, -31.1450, 16.9334

Details

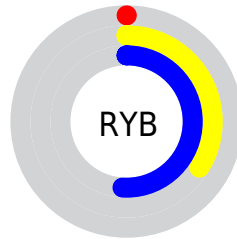
The CIELCh color **47, 53.212, 149.881** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **27, 51.265, 0.282**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 53.092, 149.717**, and **28, 45.004, 141.100** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.045, 149.729**, and if you desaturate by 10%, it is **47, 49.590, 151.736**.

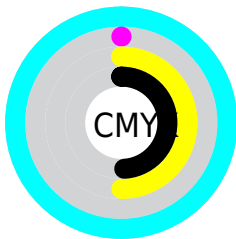
Distribution



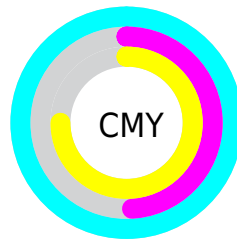
- Red (0%)
- Green (51%)
- Blue (25%)



- Red (0%)
- Yellow (34%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 53.212, 149.881 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 47, 53.212, 149.881 by changing the saturation by 10% instead.


 47, 53.212,
149.881


 47, 53.212,
149.881


 100, 53.212,
149.881


 37, 53.212,
149.881

 67, 53.212,
149.881


 27, 53.212,
149.881

 77, 53.212,
149.881

 17, 53.212,
149.881

 87, 53.212,
149.881

 7, 53.212, 149.881

 97, 53.212,
149.881

 0, 53.212, 149.881

 47, 53.212,

 47, 53.212,

149.881

149.881

■ 47, 53.045,
149.729

■ 47, 49.590,
151.736

■ 48, 45.735,
153.708

■ 48, 41.310,
155.484

■ 48, 36.346,
157.065

■ 49, 30.911,
158.467

■ 50, 25.098,
159.708

■ 51, 19.006,
160.813

■ 52, 12.735,
161.803

Harmonies

Complementary

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



47, 53.212, 149.881



27, 51.265, 0.282

Rectangle

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



47, 53.212, 149.881



47, 53.212, 199.881



47, 53.212, 329.881



47, 53.212, 19.881

Sweetspot

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



47, 53.045, 149.729



65, 23.626, 160.739



48, 65.103, 126.980



33, 15.997, 160.362



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 53.045, 149.729



61, 65.233, 149.144



49, 30.580, 193.934



26, 3.560, 162.791



47, 52.605, 149.756



0, 0.000, 0.000

Inverse Universe

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



27, 51.265, 0.282



36, 62.155, 1.350



26, 61.152, 37.780



25, 3.602, 344.141



27, 50.873, 0.234



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 53.212, 149.881 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 47, 53.212, 149.881 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 47, 53.212, 149.881

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.212, 149.881.



This preview shows how white text looks on a background with the CIELCh color 47, 53.212, 149.881.

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
47, 53.106, 149.705

Protanopia
47, 31.103, 95.373

Deuteranopia
47, 25.172, 75.769



Tritanopia
47, 22.787, 210.839

Trichromacy



Original Color
47, 53.106, 149.705

Protanomaly
46, 37.591, 133.059

Deuteranomaly
45, 29.687, 131.687

Tritanomaly
47, 31.314, 176.135

Monochromacy



Original Color
47, 53.106, 149.705

Achromatopsia
35, 0.005, 296.813

Achromatomaly
39, 23.896, 158.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.212, 149.881 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(0, 129, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 64)  
}
```

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(0, 129, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.212, 149.881 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(0, 129, 64) }
```

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

```
.border{ border-color:rgb(0, 129, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 129, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.212, 149.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 64) }
```

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

```
.background{ background-color: rgb(0, 129,  
64) }
```

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