

Converting Colors

CIELCh(46, 53.553, 154.931)

Have a look what the booklet for
CIELCh(46, 53.553, 154.931)
contains.

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Color

CIELCh(46, 49.942, 152.227)

Conversions

Conversions Part 1

Format	Color
Hex	007E44
RGB	0, 126, 68
RGB Percent	0%, 49%, 27%
CMY	1.0000, 0.5066, 0.7336
CMYK	1.00, 0.00, 0.46, 0.51
HSL	152°, 100%, 25%
HSV	152°, 100%, 49%
XYZ	8.4382, 15.2687, 7.9594
YIQ	81.7140, -56.4780, -44.7500

Conversions

Conversions Part 2

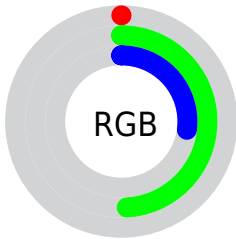
Format	Color
RYB	0, 82, 126
Decimal	32324
CIELab	46.00, -44.19, 23.27
CIELCh	46, 49.942, 152.227
Yxy	15.2687, 0.2665, 0.4822
Android (android.graphics.Color)	4278222404 (0xFF007E44)
YUV	81.7140, -6.7610, -71.6632
Hunter-Lab	39.0751, -29.8347, 15.2756

Details

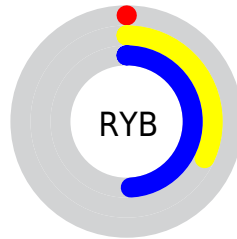
The CIELCh color **46, 49.942, 152.227** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 50.071, 4.165**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 49.935, 152.002**, and **27, 41.443, 143.561** is the 20% darker color. If you saturate the color by 10%, you get **46, 49.761, 152.064**, and if you desaturate by 10%, it is **46, 46.570, 154.067**.

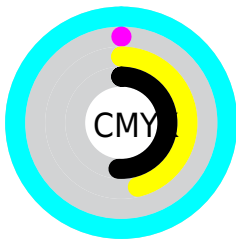
Distribution



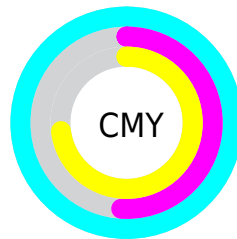
- Red (0%)
- Green (49%)
- Blue (27%)



- Red (0%)
- Yellow (32%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 49.942, 152.227 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 46, 49.942, 152.227 by changing the saturation by 10% instead.

 46, 49.942,
152.227


 46, 49.942,
152.227

 100, 49.942,
152.227

 36, 49.942,
152.227

 66, 49.942,
152.227


 26, 49.942,
152.227

 76, 49.942,
152.227

 16, 49.942,
152.227

 86, 49.942,
152.227

 6, 49.942, 152.227

 96, 49.942,
152.227

 0, 49.942, 152.227

 46, 49.942,

 46, 49.942,

152.227

152.227

■ 46, 49.761,
152.064

■ 46, 46.570,
154.067

■ 47, 43.015,
156.034

■ 47, 38.913,
157.803

■ 47, 34.291,
159.381

■ 48, 29.209,
160.783

■ 49, 23.752,
162.030

■ 50, 18.014,
163.146

■ 50, 12.087,
164.153

Harmonies

Complementary

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



46, 49.942, 152.227



26, 50.071, 4.165

Rectangle

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



46, 49.942, 152.227



46, 49.942, 202.227



46, 49.942, 332.227



46, 49.942, 22.227

Sweetspot

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



46, 49.761, 152.064



63, 22.272, 163.071



47, 64.969, 128.572



32, 15.067, 162.698



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 49.761, 152.064



59, 60.845, 151.477



46, 28.400, 201.597



26, 3.451, 165.164



47, 50.275, 152.031



0, 0.000, 0.000

Inverse Universe

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



26, 50.071, 4.165



35, 60.474, 5.350



25, 59.954, 38.911



25, 3.500, 346.561



26, 50.552, 4.232



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 49.942, 152.227 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 46, 49.942, 152.227 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 46, 49.942, 152.227

Background



This preview shows how black text looks on a background with the CIELCh color 46, 49.942, 152.227.



This preview shows how white text looks on a background with the CIELCh color 46, 49.942, 152.227.

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
46, 49.832, 152.047

Protanopia
46, 27.749, 96.546

Deuteranopia
46, 22.185, 74.513



Tritanopia
46, 22.520, 212.666

Trichromacy



Original Color
46, 49.832, 152.047



Protanomaly
44, 34.125, 135.474



Deuteranomaly
44, 27.210, 134.262



Tritanomaly
46, 29.486, 179.719

Monochromacy



Original Color
46, 49.832, 152.047



Achromatopsia
35, 0.005, 296.813



Achromatomaly
38, 22.436, 161.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 49.942, 152.227 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, 126, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 68)  
}
```

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, 126, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 49.942, 152.227 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, 126, 68) }
```

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

```
.border{ border-color:rgb(0, 126, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 49.942, 152.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 68) }
```

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

```
.background{ background-color: rgb(0, 126,  
68) }
```

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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