

Converting Colors

CIELCh(46, 46.862, 154.752)

Have a look what the booklet for
CIELCh(46, 46.862, 154.752)
contains.

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Color

CIELCh(46, 46.576, 154.957)

Conversions

Conversions Part 1

Format	Color
Hex	047D4A
RGB	4, 125, 74
RGB Percent	2%, 49%, 29%
CMY	0.9850, 0.5086, 0.7087
CMYK	0.97, 0.00, 0.41, 0.51
HSL	155°, 94%, 25%
HSV	155°, 97%, 49%
XYZ	8.6662, 15.2687, 9.0185
YIQ	83.0070, -55.7450, -41.5130

Conversions

Conversions Part 2

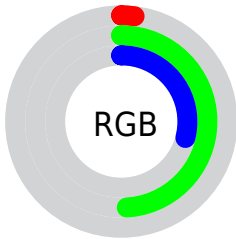
Format	Color
RYB	4, 81, 125
Decimal	294218
CIELab	46.00, -42.20, 19.72
CIELCh	46, 46.576, 154.957
Yxy	15.2687, 0.2630, 0.4633
Android (android.graphics.Color)	4278484298 (0xFF047D4A)
YUV	83.0070, -4.4405, -69.2891
Hunter-Lab	39.0751, -28.7931, 13.6685

Details

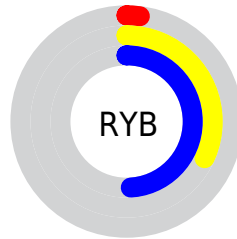
The CIELCh color **46, 46.576, 154.957** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 49.202, 6.724**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 46.753, 154.684**, and **27, 38.855, 146.506** is the 20% darker color. If you saturate the color by 10%, you get **46, 47.482, 154.373**, and if you desaturate by 10%, it is **46, 43.557, 156.988**.

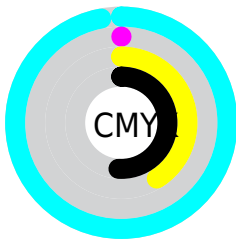
Distribution



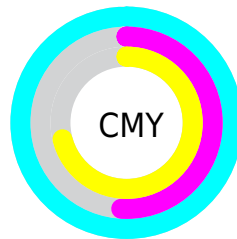
- Red (2%)
- Green (49%)
- Blue (29%)



- Red (2%)
- Yellow (32%)
- Blue (49%)



- Cyan (97%)
- Magenta (0%)
- Yellow (41%)
- Black (51%)





- Cyan (99%)
- Magenta (51%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 46.576, 154.957 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, 46.576, 154.957 by changing the saturation by 10% instead.


 46, 46.576,
154.957


 46, 46.576,
154.957


 100, 46.576,
154.957


 36, 46.576,
154.957

 66, 46.576,
154.957


 26, 46.576,
154.957

 76, 46.576,
154.957

 16, 46.576,
154.957

 86, 46.576,
154.957

 6, 46.576, 154.957

 96, 46.576,
154.957

 0, 46.576, 154.957

 46, 46.576,

 46, 46.576,

154.957

154.957

■ 46, 47.482,
154.373

■ 46, 43.557,
156.988

■ 47, 40.076,
158.884

■ 47, 36.058,
160.585

■ 47, 31.537,
162.101

■ 48, 26.576,
163.453

■ 49, 21.261,
164.663

■ 50, 15.682,
165.753

■ 51, 9.928, 166.748

Harmonies

Complementary

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



46, 46.576, 154.957



26, 49.202, 6.724

Rectangle

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



46, 46.576, 154.957



46, 46.576, 204.957



46, 46.576, 334.957



46, 46.576, 24.957

Sweetspot

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



46, 46.576, 154.957



63, 20.894, 165.464



46, 64.398, 129.408



32, 14.209, 165.083



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, 46.576, 154.957



59, 58.204, 153.776



45, 27.083, 207.067



26, 3.356, 167.484



47, 48.117, 154.329



0, 0.000, 0.000

Inverse Universe

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



26, 49.202, 6.724



34, 60.529, 9.199



26, 57.995, 38.946



25, 3.412, 348.919



26, 50.517, 7.988



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 46.576, 154.957 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, 46.576, 154.957 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, 46.576, 154.957

Background



This preview shows how black text looks on a background with the CIELCh color 46, 46.576, 154.957.



This preview shows how white text looks on a background with the CIELCh color 46, 46.576, 154.957.

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, 46.517, 154.905

Protanopia
46, 24.339, 96.899

Deuteranopia
46, 18.617, 71.878



Tritanopia
46, 22.705, 212.520

Trichromacy



Original Color
46, 46.517, 154.905

Protanomaly
45, 31.188, 138.520

Deuteranomaly
44, 24.154, 138.044

Tritanomaly
46, 28.777, 181.845

Monochromacy



Original Color
46, 46.517, 154.905

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 20.699, 164.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 46.576, 154.957 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, 125, 74)` looks like.

```
.text, #text, p{  
    color:rgb(4, 125, 74)  
}
```

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, 125, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 125, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 46.576, 154.957 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, 125, 74) }
```

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

```
.border{ border-color:rgb(4, 125, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 125, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 125, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 125, 74);  
box-shadow:4px 4px 4px 4px rgb(4, 125, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 46.576, 154.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 125, 74) }
```

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

```
.background{ background-color: rgb(4, 125,  
74) }
```

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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