

Converting Colors

CIELCh(46, 52.365, 149.562)

Have a look what the booklet for
CIELCh(46, 52.365, 149.562)
contains.

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Color

CIELCh(46, 52.365, 149.562)

Conversions

Conversions Part 1

Format	Color
Hex	007E3E
RGB	0, 126, 62
RGB Percent	0%, 49%, 24%
CMY	1.0000, 0.5059, 0.7569
CMYK	1.00, 0.00, 0.51, 0.51
HSL	150°, 100%, 25%
HSV	150°, 100%, 49%
XYZ	8.3298, 15.2687, 7.0652
YIQ	81.0300, -54.5520, -46.6160

Conversions

Conversions Part 2

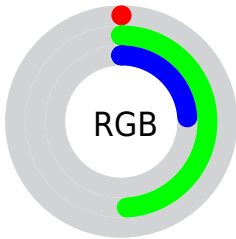
Format	Color
RYB	0, 84, 126
Decimal	32318
CIELab	46.00, -45.15, 26.53
CIELCh	46, 52.365, 149.562
Yxy	15.2687, 0.2717, 0.4979
Android (android.graphics.Color)	4278222398 (0xFF007E3E)
YUV	81.0300, -9.3818, -71.0633
Hunter-Lab	39.0751, -30.3299, 16.6324

Details

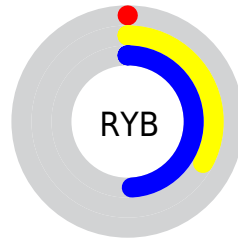
The CIELCh color **46, 52.365, 149.562** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 50.497, 359.773**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 52.397, 149.619**, and **27, 44.176, 140.756** is the 20% darker color. If you saturate the color by 10%, you get **46, 52.365, 149.562**, and if you desaturate by 10%, it is **46, 48.934, 151.551**.

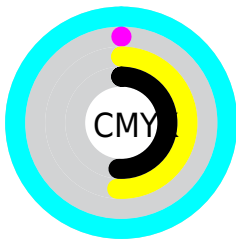
Distribution



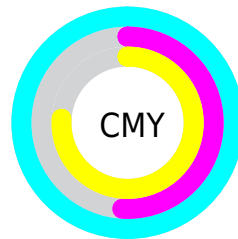
- Red (0%)
- Green (49%)
- Blue (24%)



- Red (0%)
- Yellow (33%)
- Blue (49%)



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





- Cyan (100%)
- Magenta (51%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.365, 149.562 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, 52.365, 149.562 by changing the saturation by 10% instead.


 46, 52.365,
149.562


 46, 52.365,
149.562


 100, 52.365,
149.562


 36, 52.365,
149.562

 66, 52.365,
149.562


 26, 52.365,
149.562

 76, 52.365,
149.562

 16, 52.365,
149.562

 86, 52.365,
149.562

 6, 52.365, 149.562

 96, 52.365,
149.562

 0, 52.365, 149.562

 46, 52.365,

149.562

■ 46, 48.934,
151.551

■ 46, 45.116,
153.514

■ 47, 40.738,
155.283

■ 47, 35.831,
156.857

■ 48, 30.465,
158.252

■ 49, 24.730,
159.488

■ 50, 18.724,
160.587

■ 51, 12.543,
161.573

Harmonies

Complementary

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



46, 52.365, 149.562



26, 50.497, 359.773

Rectangle

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



46, 52.365, 149.562



46, 52.365, 199.562



46, 52.365, 329.562



46, 52.365, 19.562

Sweetspot

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



46, 52.365, 149.562



63, 23.124, 160.514



47, 64.028, 126.943



32, 15.652, 160.147



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, 52.365, 149.562



59, 63.983, 148.982



47, 30.085, 193.940



26, 3.571, 162.553



47, 52.846, 149.532



0, 0.000, 0.000

Inverse Universe

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



26, 50.497, 359.773



35, 60.825, 0.818



25, 60.011, 37.592



25, 3.613, 343.899



27, 50.923, 359.826



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 52.365, 149.562 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 CIE LCh color 46, 52.365, 149.562 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, 52.365, 149.562

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.365, 149.562.



This preview shows how white text looks on a background with the CIELCh color 46, 52.365, 149.562.

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, 52.365, 149.562

Protanopia

46, 31.081, 96.145

Deuteranopia

46, 25.002, 76.583



Tritanopia
46, 22.312, 211.211

Trichromacy



Original Color
46, 52.365, 149.562

Protanomaly
44, 37.042, 132.885

Deuteranomaly
44, 29.769, 131.656

Tritanomaly
46, 30.760, 175.673

Monochromacy



Original Color
46, 52.365, 149.562

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 23.036, 158.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.365, 149.562 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.365, 149.562 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, 62) }
```

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

```
.border{ border-color:rgb(0, 126, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.365, 149.562 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, 62) }
```

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

```
.background{ background-color: rgb(0, 126,  
62) }
```

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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