

Converting Colors

CIELCh(46, 43.305, 149.695)

Have a look what the booklet for
CIELCh(46, 43.305, 149.695)
contains.

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Color

CIELCh(46, 43.305, 149.695)

Conversions

Conversions Part 1

Format	Color
Hex	2A7C47
RGB	42, 124, 71
RGB Percent	16%, 49%, 28%
CMY	0.8368, 0.5150, 0.7227
CMYK	0.66, 0.00, 0.43, 0.52
HSL	141°, 50%, 32%
HSV	141°, 66%, 48%
XYZ	9.2339, 15.2687, 8.3717
YIQ	93.4400, -31.8590, -33.8670

Conversions

Conversions Part 2

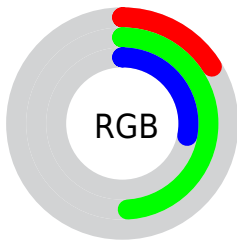
Format	Color
R_{YB}	42, 103, 124
Decimal	2784327
CIE _{Lab}	46.00, -37.39, 21.85
CIE _{LCh}	46, 43.305, 149.695
Yxy	15.2687, 0.2809, 0.4645
Android (android.graphics.Color)	4280974407 (0xFF2A7C47)
YUV	93.4400, -11.0629, -45.1129
Hunter-Lab	39.0751, -26.2000, 14.6500

Details

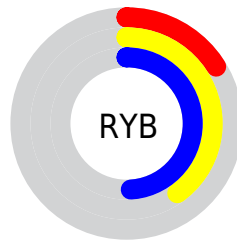
The CIELCh color $46, 43.305, 149.695$ is a dark color, and the websafe version is hex 006633 . A complement of this color would be $31, 43.450, 342.449$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 43.166, 149.766$, and $27, 39.615, 145.193$ is the 20% darker color. If you saturate the color by 10%, you get $46, 48.532, 148.064$, and if you desaturate by 10%, it is $47, 37.537, 151.145$.

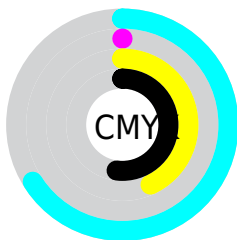
Distribution



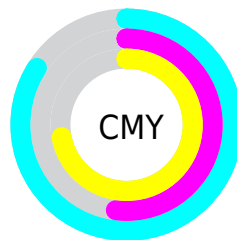
- Red (16%)
- Green (49%)
- Blue (28%)



- Red (16%)
- Yellow (40%)
- Blue (49%)



- Cyan (66%)
- Magenta (0%)
- Yellow (43%)
- Black (52%)





- Cyan (84%)
- Magenta (52%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 43.305, 149.695 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, 43.305, 149.695 by changing the saturation by 10% instead.


 46, 43.305,
149.695


 46, 43.305,
149.695


 100, 43.305,
149.695

 36, 43.305,
149.695

 66, 43.305,
149.695


 26, 43.305,
149.695

 76, 43.305,
149.695

 16, 43.305,
149.695

 86, 43.305,
149.695

 6, 43.305, 149.695

 96, 43.305,
149.695

 0, 43.305, 149.695

 46, 43.305,

 46, 43.305,

149.695

■ 46, 48.532,
148.064

■ 45, 53.139,
146.259

■ 45, 57.137,
144.360

■ 45, 58.523,
143.732

149.695

■ 47, 37.537,
151.145

■ 47, 31.330,
152.421

■ 48, 24.798,
153.541

■ 49, 18.054,
154.525

■ 50, 11.203,
155.395

■ 51, 4.331, 156.192

■ 52, 2.489, 336.710

■ 54, 9.205, 337.389

■ 55, 15.778,

Harmonies

Complementary

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



46, 43.305, 149.695



31, 43.450, 342.449

Rectangle

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



46, 43.305, 149.695



46, 43.305, 199.695



46, 43.305, 329.695



46, 43.305, 19.695

Sweetspot

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



46, 43.306, 149.695



63, 16.987, 155.047



48, 46.608, 120.619



33, 11.679, 154.845



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, 43.306, 149.695



58, 61.908, 147.077



47, 27.667, 181.097



25, 3.819, 155.977



45, 58.989, 143.708



87, 102.024, 142.504

Inverse Universe

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



31, 43.450, 342.449



38, 59.882, 344.694



30, 38.391, 17.633



24, 3.843, 337.156



27, 53.035, 348.163



56, 88.381, 349.644

Previews

White Background



This preview shows how the CIELCh color 46, 43.305, 149.695 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, 43.305, 149.695 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, 43.305, 149.695

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.305, 149.695.



This preview shows how white text looks on a background with the CIELCh color 46, 43.305, 149.695.

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, 43.305, 149.695

Protanopia
46, 25.676, 95.031

Deuteranopia
46, 20.899, 74.106



Tritanopia
46, 19.330, 215.625

Trichromacy



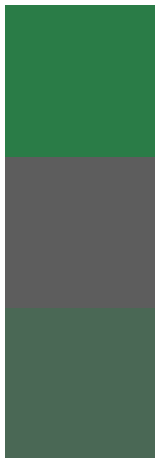
Original Color
46, 43.305, 149.695

Protanomaly
45, 29.152, 126.852

Deuteranomaly
45, 23.123, 122.640

Tritanomaly
46, 24.169, 179.470

Monochromacy



Original Color
46, 43.305, 149.695

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 16.974, 154.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.305, 149.695 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(42, 124, 71)` looks like.

```
.text, #text, p{  
    color:rgb(42, 124, 71)  
}
```

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(42, 124, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 124, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.305, 149.695 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(42, 124, 71) }
```

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

```
.border{ border-color:rgb(42, 124, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 124, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 124, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 124, 71);  
box-shadow:4px 4px 4px 4px rgb(42, 124,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.305, 149.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 124, 71) }
```

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

```
.background{ background-color: rgb(42, 124,  
71) }
```

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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