

Converting Colors

CIELCh(46, 35.578, 141.974)

Have a look what the booklet for
CIELCh(46, 35.578, 141.974)
contains.

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Color

CIELCh(46, 35.292, 141.945)

Conversions

Conversions Part 1

Format	Color
Hex	467847
RGB	70, 120, 71
RGB Percent	27%, 47%, 28%
CMY	0.7245, 0.5283, 0.7206
CMYK	0.42, 0.00, 0.41, 0.53
HSL	121°, 26%, 37%
HSV	121°, 42%, 47%
XYZ	10.4396, 15.2687, 8.4004
YIQ	99.4640, -14.0710, -25.8390

Conversions

Conversions Part 2

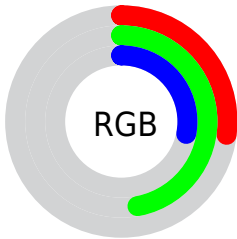
Format	Color
RYB	70, 119, 120
Decimal	4618311
CIELab	46.00, -27.79, 21.75
CIELCh	46, 35.292, 141.945
Yxy	15.2687, 0.3061, 0.4476
Android (android.graphics.Color)	4282808391 (0xFF467847)
YUV	99.4640, -14.0328, -25.8399
Hunter-Lab	39.0751, -20.6923, 14.6064

Details

The CIELCh color **46, 35.292, 141.945** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 35.222, 327.119**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 35.478, 141.885**, and **26, 35.494, 142.011** is the 20% darker color. If you saturate the color by 10%, you get **45, 43.222, 140.932**, and if you desaturate by 10%, it is **47, 26.971, 142.849**.

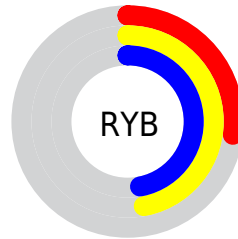
Distribution



Red (27%)

Green (47%)

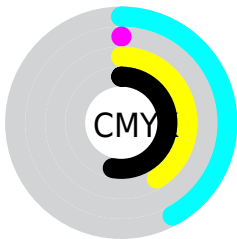
Blue (28%)



Red (27%)

Yellow (47%)

Blue (47%)

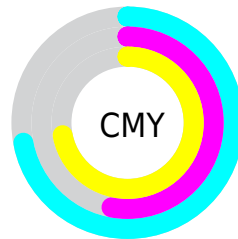


Cyan (42%)

Magenta (0%)

Yellow (41%)

Black (53%)



Cyan (72%)


Magenta (53%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 35.292, 141.945 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, 35.292, 141.945 by changing the saturation by 10% instead.


 46, 35.292,
141.945


 46, 35.292,
141.945


 100, 35.292,
141.945


 36, 35.292,
141.945

 66, 35.292,
141.945


 26, 35.292,
141.945

 76, 35.292,
141.945

 16, 35.292,
141.945

 86, 35.292,
141.945

 6, 35.292, 141.945

 96, 35.292,
141.945

 0, 35.292, 141.945

 46, 35.292,

 46, 35.292,

141.945

■ 45, 43.222,
140.932

■ 45, 50.529,
139.835

■ 44, 56.943,
138.710

■ 44, 62.166,
137.656

■ 44, 65.917,
136.796

■ 44, 68.263,
136.283

141.945

■ 47, 26.971,
142.849

■ 48, 18.443,
143.639

■ 49, 9.859, 144.325

■ 50, 1.331, 145.022

■ 52, 7.061, 325.355

■ 53, 15.260,
325.791

■ 55, 23.232,
326.155

■ 56, 30.958,
326.465

■ 58, 38.429,

Harmonies

Complementary

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



46, 35.292, 141.945



37, 35.222, 327.119

Rectangle

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



46, 35.292, 141.945



46, 35.292, 191.945



46, 35.292, 321.945



46, 35.292, 11.945

Sweetspot

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



46, 35.293, 141.945



62, 12.616, 144.279



49, 28.587, 107.126



32, 8.438, 144.215



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 35.293, 141.945



58, 51.748, 140.971



47, 24.208, 160.608



25, 4.857, 144.483



45, 70.177, 136.271



87, 118.555, 136.124

Inverse Universe

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



37, 35.222, 327.119



45, 51.472, 327.567



36, 25.487, 348.589



24, 4.865, 325.425



29, 67.121, 329.005



59, 112.898, 329.047

Previews

White Background



This preview shows how the CIELCh color 46, 35.292, 141.945 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, 35.292, 141.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

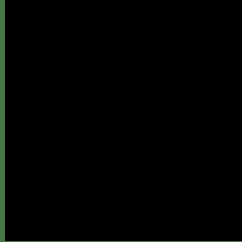
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 35.292, 141.945

Background



This preview shows how black text looks on a background with the CIELCh color 46, 35.292, 141.945.



This preview shows how white text looks on a background with the CIELCh color 46, 35.292, 141.945.

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, 35.292, 141.945

Protanopia

46, 24.465, 95.784

Deuteranopia

46, 20.899, 74.106



Tritanopia
46, 12.855, 223.006

Trichromacy



Original Color
46, 35.292, 141.945

Protanomaly
45, 25.513, 117.871

Deuteranomaly
45, 21.101, 109.641

Tritanomaly
46, 16.755, 172.245

Monochromacy



Original Color
46, 35.292, 141.945

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 12.724, 144.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 35.292, 141.945 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(70, 120, 71)` looks like.

```
.text, #text, p{  
    color:rgb(70, 120, 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(70, 120, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 120, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 35.292, 141.945 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(70, 120, 71) }
```

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

```
.border{ border-color:rgb(70, 120, 71) }
```

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

Here you see how a box with a 4 pixel rgb(70, 120, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 120, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 120, 71);  
box-shadow:4px 4px 4px 4px rgb(70, 120,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 35.292, 141.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 120, 71) }
```

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

```
.background{ background-color: rgb(70, 120,  
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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