

Converting Colors

CIELCh(46, 50.454, 121.728)

Have a look what the booklet for
CIELCh(46, 50.454, 121.728)
contains.

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Color

CIELCh(46, 50.451, 121.704)

Conversions

Conversions Part 1

Format	Color
Hex	55771D
RGB	85, 119, 29
RGB Percent	33%, 47%, 11%
CMY	0.6659, 0.5326, 0.8855
CMYK	0.29, 0.00, 0.75, 0.53
HSL	83°, 61%, 29%
HSV	83°, 75%, 47%
XYZ	10.6074, 15.2687, 3.5636
YIQ	98.5740, 8.6260, -35.1980

Conversions

Conversions Part 2

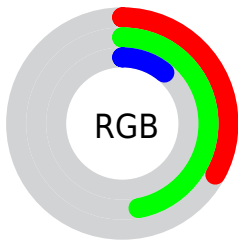
Format	Color
R_{YB}	29, 119, 63
Decimal	5601053
CIE Lab	46.00, -26.51, 42.92
CIE LCh	46, 50.451, 121.704
Yxy	15.2687, 0.3603, 0.5186
Android (android.graphics.Color)	4283791133 (0xFF55771D)
YUV	98.5740, -34.3000, -11.9044
Hunter-Lab	39.0751, -19.9258, 21.9455

Details

The CIELCh color **46, 50.451, 121.704** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **21, 58.666, 309.357**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 50.042, 121.461**, and **26, 42.092, 126.408** is the 20% darker color. If you saturate the color by 10%, you get **46, 54.823, 121.953**, and if you desaturate by 10%, it is **46, 45.064, 121.772**.

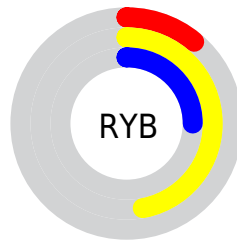
Distribution



Red (33%)

Green (47%)

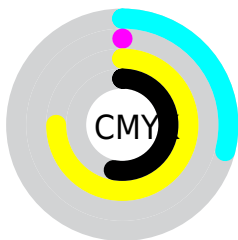
Blue (11%)



Red (11%)

Yellow (47%)

Blue (25%)

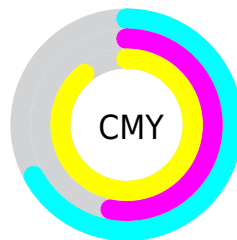


Cyan (29%)

Magenta (0%)

Yellow (75%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 50.451, 121.704 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, 50.451, 121.704 by changing the saturation by 10% instead.


 46, 50.451,
121.704


 46, 50.451,
121.704


 100, 50.451,
121.704


 36, 50.451,
121.704

 66, 50.451,
121.704


 26, 50.451,
121.704

 76, 50.451,
121.704

 16, 50.451,
121.704

 86, 50.451,
121.704

 6, 50.451, 121.704

 96, 50.451,
121.704

 0, 50.451, 121.704

 46, 50.451,

 46, 50.451,

121.704

121.704

■ 46, 54.823,
121.953

■ 46, 45.064,
121.772

■ 45, 58.047,
122.560

■ 47, 38.950,
122.049

■ 45, 59.440,
122.812

■ 47, 32.352,
122.455

■ 48, 25.449,
122.930

■ 48, 18.363,
123.434

■ 49, 11.181,
123.941

■ 50, 3.962, 124.443

■ 50, 3.252, 304.884

■ 51, 10.431,
305.337

Harmonies

Complementary

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



46, 50.451, 121.704



21, 58.666, 309.357

Rectangle

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



46, 50.451, 121.704



46, 50.451, 171.704



46, 50.451, 301.704



46, 50.451, 351.704

Sweetspot

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



46, 50.451, 121.705



62, 20.610, 123.531



33, 37.640, 54.231



32, 14.363, 123.378



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, 50.451, 121.705



58, 69.575, 122.429



44, 57.732, 135.875



24, 4.007, 124.266



46, 60.602, 122.856



90, 103.428, 123.720

Inverse Universe

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



21, 58.666, 309.357



23, 83.859, 309.741



28, 57.823, 323.493



22, 4.070, 305.131



15, 74.034, 309.856



37, 126.346, 309.291

Previews

White Background



This preview shows how the CIE LCh color 46, 50.451, 121.704 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, 50.451, 121.704 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, 50.451, 121.704

Background



This preview shows how black text looks on a background with the CIELCh color 46, 50.451, 121.704.



This preview shows how white text looks on a background with the CIELCh color 46, 50.451, 121.704.

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, 50.451, 121.704

Protanopia

46, 44.873, 95.704

Deuteranopia

46, 41.680, 81.598



Tritanopia
46, 7.710, 243.082

Trichromacy



Original Color
46, 50.451, 121.704

Protanomaly
46, 45.657, 106.261

Deuteranomaly
46, 41.731, 98.242

Tritanomaly
46, 18.500, 138.106

Monochromacy



Original Color
46, 50.451, 121.704

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 19.700, 123.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 50.451, 121.704 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(85, 119, 29)` looks like.

```
.text, #text, p{  
    color:rgb(85, 119, 29)  
}
```

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(85, 119, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 119, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 50.451, 121.704 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(85, 119, 29) }
```

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

```
.border{ border-color:rgb(85, 119, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 119, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 119, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 119, 29);  
box-shadow:4px 4px 4px 4px rgb(85, 119,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 50.451, 121.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 119, 29) }
```

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

```
.background{ background-color: rgb(85, 119,  
29) }
```

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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