

Converting Colors

CIELCh(46, 50.902, 122.599)

Have a look what the booklet for
CIELCh(46, 50.902, 122.599)
contains.

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Color

CIELCh(46, 51.280, 122.857)

Conversions

Conversions Part 1

Format	Color
Hex	53781D
RGB	83, 120, 29
RGB Percent	33%, 47%, 11%
CMY	0.6758, 0.5306, 0.8876
CMYK	0.31, 0.00, 0.76, 0.53
HSL	84°, 61%, 29%
HSV	84°, 76%, 47%
XYZ	10.4354, 15.2687, 3.5379
YIQ	98.5630, 7.1590, -36.1450

Conversions

Conversions Part 2

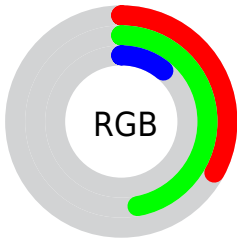
Format	Color
R_{YB}	29, 120, 66
Decimal	5470237
CIE Lab	46.00, -27.82, 43.08
CIE LCh	46, 51.280, 122.857
Yxy	15.2687, 0.3569, 0.5222
Android (android.graphics.Color)	4283660317 (0xFF53781D)
YUV	98.5630, -34.2946, -13.6488
Hunter-Lab	39.0751, -20.7114, 21.9845

Details

The CIELCh color **46, 51.280, 122.857** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **21, 59.134, 310.085**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 51.406, 122.835**, and **26, 42.992, 127.548** is the 20% darker color. If you saturate the color by 10%, you get **46, 55.662, 123.141**, and if you desaturate by 10%, it is **46, 45.865, 122.899**.

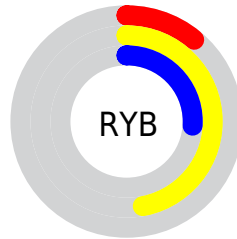
Distribution



Red (33%)

Green (47%)

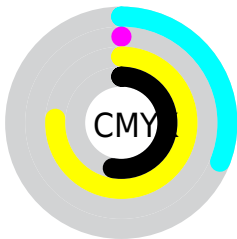
Blue (11%)



Red (11%)

Yellow (47%)

Blue (26%)

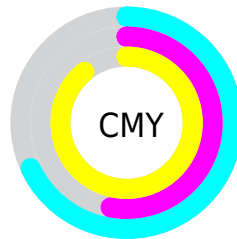


Cyan (31%)

Magenta (0%)

Yellow (76%)

Black (53%)



Cyan (68%)


Magenta (53%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 51.280, 122.857 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, 51.280, 122.857 by changing the saturation by 10% instead.


 46, 51.280,
122.857


 46, 51.280,
122.857


 100, 51.280,
122.857


 36, 51.280,
122.857

 66, 51.280,
122.857


 26, 51.280,
122.857

 76, 51.280,
122.857

 16, 51.280,
122.857

 86, 51.280,
122.857

 6, 51.280, 122.857

 96, 51.280,
122.857

 0, 51.280, 122.857

 46, 51.280,

 46, 51.280,

122.857

122.857

■ 46, 55.662,
123.141

■ 46, 45.865,
122.899

■ 45, 58.916,
123.775

■ 47, 39.707,
123.158

■ 45, 60.165,
123.997

■ 47, 33.053,
123.548

■ 48, 26.087,
124.008

■ 49, 18.934,
124.498

■ 49, 11.684,
124.990

■ 50, 4.398, 125.476

■ 51, 2.879, 305.895

■ 51, 10.118,
306.335

Harmonies

Complementary

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



46, 51.280, 122.857



21, 59.134, 310.085

Rectangle

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



46, 51.280, 122.857



46, 51.280, 172.857



46, 51.280, 302.857



46, 51.280, 352.857

Sweetspot

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



46, 51.280, 122.858



62, 20.733, 124.620



34, 37.730, 57.063



32, 14.450, 124.472



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, 51.280, 122.858



58, 70.183, 123.603



44, 58.654, 136.405



24, 4.029, 125.332



46, 61.158, 124.035



89, 104.436, 124.918

Inverse Universe

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



21, 59.134, 310.085



24, 83.465, 310.313



28, 58.349, 324.575



22, 4.090, 306.160



16, 73.614, 310.369



37, 125.617, 309.786

Previews

White Background



This preview shows how the CIELCh color 46, 51.280, 122.857 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, 51.280, 122.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

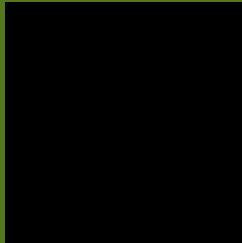
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 51.280, 122.857

Background



This preview shows how black text looks on a background with the CIELCh color 46, 51.280, 122.857.



This preview shows how white text looks on a background with the CIELCh color 46, 51.280, 122.857.

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

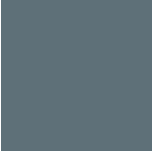
46, 51.280, 122.857

Protanopia

46, 45.249, 95.715

Deuteranopia

46, 41.680, 81.598



Tritanopia
46, 8.193, 234.421

Trichromacy



Original Color
46, 51.280, 122.857

Protanomaly
46, 46.058, 106.788

Deuteranomaly
45, 42.106, 98.899

Tritanomaly
46, 19.638, 140.204

Monochromacy



Original Color
46, 51.280, 122.857

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 20.526, 124.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 51.280, 122.857 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(83, 120, 29)` looks like.

```
.text, #text, p{  
    color:rgb(83, 120, 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(83, 120, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 120, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 51.280, 122.857 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(83, 120, 29) }
```

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

```
.border{ border-color:rgb(83, 120, 29) }
```

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

Here you see how a box with a 4 pixel rgb(83, 120, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 120, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 120, 29);  
box-shadow:4px 4px 4px 4px rgb(83, 120,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 51.280, 122.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 120, 29) }
```

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

```
.background{ background-color: rgb(83, 120,  
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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