

Converting Colors

CIELCh(46, 48.343, 119.282)

Have a look what the booklet for
CIELCh(46, 48.343, 119.282)
contains.

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Color

CIELCh(46, 48.493, 119.362)

Conversions

Conversions Part 1

Format	Color
Hex	5A761F
RGB	90, 118, 31
RGB Percent	35%, 46%, 12%
CMY	0.6465, 0.5367, 0.8779
CMYK	0.24, 0.00, 0.74, 0.54
HSL	79°, 58%, 29%
HSV	79°, 74%, 46%
XYZ	10.9732, 15.2687, 3.6748
YIQ	99.7100, 11.2390, -32.9930

Conversions

Conversions Part 2

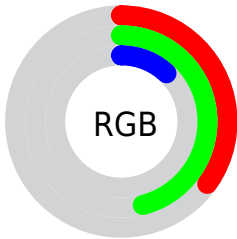
Format	Color
R _Y B	31, 118, 59
Decimal	5928479
CIE Lab	46.00, -23.78, 42.26
CIE LCh	46, 48.493, 119.362
Yxy	15.2687, 0.3668, 0.5104
Android (android.graphics.Color)	4284118559 (0xFF5A761F)
YUV	99.7100, -33.8740, -8.5157
Hunter-Lab	39.0751, -18.2547, 21.7767

Details

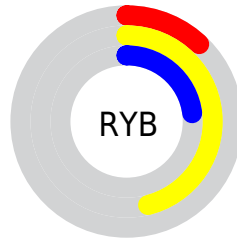
The CIELCh color $46, 48.493, 119.362$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $21, 57.106, 307.916$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 48.450, 119.062$, and $26, 40.494, 122.969$ is the 20% darker color. If you saturate the color by 10%, you get $46, 52.932, 119.499$, and if you desaturate by 10%, it is $46, 43.096, 119.513$.

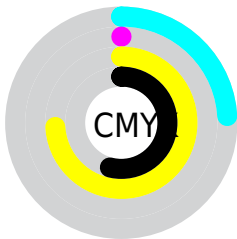
Distribution



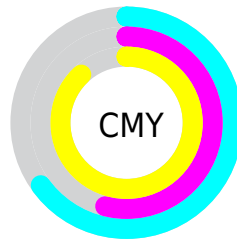
- Red (35%)
- Green (46%)
- Blue (12%)



- Red (12%)
- Yellow (46%)
- Blue (23%)



- Cyan (24%)
- Magenta (0%)
- Yellow (74%)
- Black (54%)



- Cyan (65%)
- Magenta (54%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 48.493, 119.362 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, 48.493, 119.362 by changing the saturation by 10% instead.

 46, 48.493,
119.362

 46, 48.493,
119.362


 100, 48.493,
119.362

 36, 48.493,
119.362

 66, 48.493,
119.362

 26, 48.493,
119.362

 76, 48.493,
119.362

 16, 48.493,
119.362

 86, 48.493,
119.362

 6, 48.493, 119.362

 96, 48.493,
119.362

 0, 48.493, 119.362

 46, 48.493,

 46, 48.493,

119.362

■ 46, 52.932,
119.499

■ 45, 56.177,
120.001

■ 45, 58.053,
120.337

119.362

■ 46, 43.096,
119.513

■ 47, 37.023,
119.851

■ 47, 30.503,
120.305

■ 48, 23.701,
120.820

■ 48, 16.731,
121.362

■ 49, 9.671, 121.907

■ 49, 2.576, 122.448

■ 50, 4.517, 302.932

■ 51, 11.580,

Harmonies

Complementary

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



46, 48.493, 119.362



21, 57.106, 307.916

Rectangle

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



46, 48.493, 119.362



46, 48.493, 169.362



46, 48.493, 299.362



46, 48.493, 349.362

Sweetspot

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



46, 48.493, 119.364



62, 19.250, 121.422



32, 36.934, 50.139



31, 12.849, 121.311



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 48.493, 119.364



58, 66.550, 119.788



44, 55.607, 135.022



24, 3.968, 122.155



47, 59.568, 120.391



90, 101.535, 121.199

Inverse Universe

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



21, 57.106, 307.916



23, 81.720, 308.689



27, 56.354, 321.883



22, 4.035, 303.104



15, 74.819, 308.965



35, 127.682, 308.447

Previews

White Background



This preview shows how the CIELCh color 46, 48.493, 119.362 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, 48.493, 119.362 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, 48.493, 119.362

Background



This preview shows how black text looks on a background with the CIELCh color 46, 48.493, 119.362.



This preview shows how white text looks on a background with the CIELCh color 46, 48.493, 119.362.

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, 48.493, 119.362

Protanopia

46, 44.096, 95.679

Deuteranopia

46, 41.241, 81.430



Tritanopia
46, 6.516, 254.588

Trichromacy



Original Color
46, 48.493, 119.362

Protanomaly
46, 44.428, 105.211

Deuteranomaly
46, 41.357, 97.573

Tritanomaly
46, 16.996, 133.280

Monochromacy



Original Color
46, 48.493, 119.362

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 19.547, 121.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 48.493, 119.362 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(90, 118, 31)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 31)  
}
```

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(90, 118, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 48.493, 119.362 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(90, 118, 31) }
```

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

```
.border{ border-color:rgb(90, 118, 31) }
```

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

Here you see how a box with a 4 pixel rgb(90, 118, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 31);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 48.493, 119.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 31) }
```

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

```
.background{ background-color: rgb(90, 118,  
31) }
```

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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