

Converting Colors

CIELCh(46, 47.059, 121.058)

Have a look what the booklet for
CIELCh(46, 47.059, 121.058)
contains.

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Color

CIELCh(46, 46.799, 121.230)

Conversions

Conversions Part 1

Format	Color
Hex	587624
RGB	88, 118, 36
RGB Percent	35%, 46%, 14%
CMY	0.6534, 0.5358, 0.8573
CMYK	0.25, 0.00, 0.69, 0.54
HSL	82°, 53%, 30%
HSV	82°, 69%, 46%
XYZ	10.9075, 15.2687, 4.0714
YIQ	99.6820, 8.4420, -31.8620

Conversions

Conversions Part 2

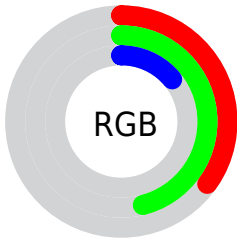
Format	Color
R_{YB}	36, 118, 66
Decimal	5797412
CIE _{Lab}	46.00, -24.26, 40.02
CIE _{LCh}	46, 46.799, 121.230
Yxy	15.2687, 0.3606, 0.5048
Android (android.graphics.Color)	4283987492 (0xFF587624)
YUV	99.6820, -31.3952, -10.2451
Hunter-Lab	39.0751, -18.5547, 21.1750

Details

The CIELCh color **46, 46.799, 121.230** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **23, 53.809, 308.710**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 46.455, 121.395**, and **26, 40.837, 124.088** is the 20% darker color. If you saturate the color by 10%, you get **46, 51.790, 121.263**, and if you desaturate by 10%, it is **46, 40.981, 121.447**.

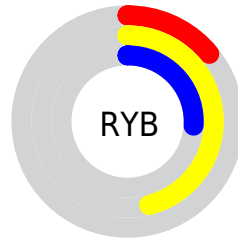
Distribution



 Red (35%)

 Green (46%)

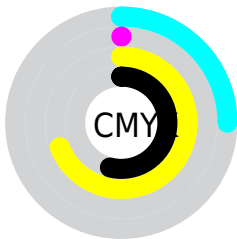
 Blue (14%)



 Red (14%)

 Yellow (46%)

 Blue (26%)

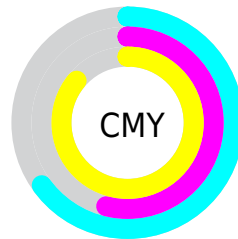


 Cyan (25%)


 Magenta (0%)

 Yellow (69%)

 Black (54%)



 Cyan (65%)


 Magenta (54%)


 Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 46.799, 121.230 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, 46.799, 121.230 by changing the saturation by 10% instead.


 46, 46.799,
121.230


 46, 46.799,
121.230


 100, 46.799,
121.230


 36, 46.799,
121.230

 66, 46.799,
121.230


 26, 46.799,
121.230

 76, 46.799,
121.230

 16, 46.799,
121.230

 86, 46.799,
121.230

 6, 46.799, 121.230

 96, 46.799,
121.230

 0, 46.799, 121.230

 46, 46.799,

 46, 46.799,

121.230

■ 46, 51.790,
121.263

■ 45, 55.666,
121.645

■ 45, 58.697,
122.255

■ 45, 58.924,
122.292

121.230

■ 46, 40.981,
121.447

■ 47, 34.599,
121.818

■ 47, 27.853,
122.277

■ 48, 20.883,
122.780

■ 49, 13.789,
123.295

■ 49, 6.636, 123.806

■ 50, 0.528, 304.193

■ 51, 7.669, 304.741

■ 51, 14.763,

Harmonies

Complementary

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



46, 46.799, 121.230



23, 53.809, 308.710

Rectangle

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



46, 46.799, 121.230



46, 46.799, 171.230



46, 46.799, 301.230



46, 46.799, 351.230

Sweetspot

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



46, 46.799, 121.231



62, 18.530, 123.180



34, 33.981, 53.137



31, 12.461, 123.071



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, 46.799, 121.231



58, 65.242, 121.434



44, 53.569, 135.940



24, 3.998, 123.818



46, 60.375, 122.346



90, 103.013, 123.201

Inverse Universe

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



23, 53.809, 308.710



25, 77.830, 309.440



29, 54.003, 322.888



22, 4.062, 304.700



15, 74.206, 309.653



36, 126.642, 309.097

Previews

White Background



This preview shows how the CIELCh color 46, 46.799, 121.230 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, 46.799, 121.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

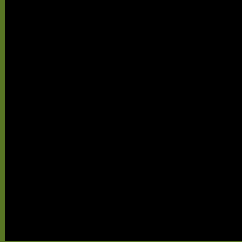
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 46.799, 121.230

Background



This preview shows how black text looks on a background with the CIELCh color 46, 46.799, 121.230.



This preview shows how white text looks on a background with the CIELCh color 46, 46.799, 121.230.

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

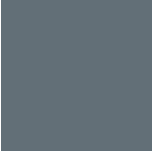
46, 46.799, 121.230

Protanopia

46, 42.023, 95.591

Deuteranopia

46, 38.744, 81.123



Tritanopia
46, 6.799, 243.542

Trichromacy



Original Color
46, 46.799, 121.230

Protanomaly
46, 42.344, 105.550

Deuteranomaly
46, 39.012, 98.240

Tritanomaly
46, 16.838, 136.610

Monochromacy



Original Color
46, 46.799, 121.230

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 18.422, 122.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 46.799, 121.230 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(88, 118, 36)` looks like.

```
.text, #text, p{  
    color:rgb(88, 118, 36)  
}
```

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(88, 118, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 118, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 46.799, 121.230 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(88, 118, 36) }
```

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

```
.border{ border-color:rgb(88, 118, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 118, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 118, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 118, 36);  
box-shadow:4px 4px 4px 4px rgb(88, 118,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 46.799, 121.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 118, 36) }
```

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

```
.background{ background-color: rgb(88, 118,  
36) }
```

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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