

Converting Colors

CIELCh(46, 57.591, 120.654)

Have a look what the booklet for
CIELCh(46, 57.591, 120.654)
contains.

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Color

CIELCh(46, 57.427, 120.612)

Conversions

Conversions Part 1

Format	Color
Hex	527806
RGB	82, 120, 6
RGB Percent	32%, 47%, 2%
CMY	0.6780, 0.5290, 0.9758
CMYK	0.32, 0.00, 0.95, 0.53
HSL	80°, 90%, 25%
HSV	80°, 95%, 47%
XYZ	10.2506, 15.2687, 2.5838
YIQ	95.6420, 13.9460, -43.5100

Conversions

Conversions Part 2

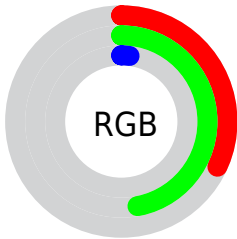
Format	Color
RYB	6, 120, 44
Decimal	5404678
CIELab	46.00, -29.24, 49.42
CIELCh	46, 57.427, 120.612
Yxy	15.2687, 0.3648, 0.5433
Android (android.graphics.Color)	4283594758 (0xFF527806)
YUV	95.6420, -44.1935, -11.9640
Hunter-Lab	39.0751, -21.5554, 23.4321

Details

The CIELCh color **46, 57.427, 120.612** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 70.874, 308.969**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.608, 120.885**, and **26, 43.519, 128.814** is the 20% darker color. If you saturate the color by 10%, you get **46, 58.958, 120.894**, and if you desaturate by 10%, it is **46, 54.250, 120.056**.

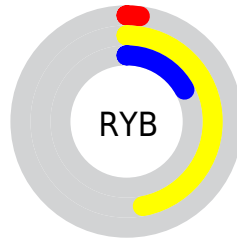
Distribution



Red (32%)

Green (47%)

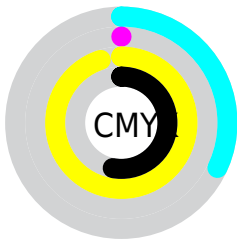
Blue (2%)



Red (2%)

Yellow (47%)

Blue (17%)

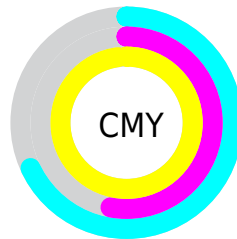


Cyan (32%)

Magenta (0%)

Yellow (95%)

Black (53%)



Cyan (68%)


Magenta (53%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 57.427, 120.612 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, 57.427, 120.612 by changing the saturation by 10% instead.


 46, 57.427,
120.612


 46, 57.427,
120.612


 100, 57.427,
120.612


 36, 57.427,
120.612

 66, 57.427,
120.612


 26, 57.427,
120.612

 76, 57.427,
120.612

 16, 57.427,
120.612

 86, 57.427,
120.612

 6, 57.427, 120.612

 96, 57.427,
120.612

 0, 57.427, 120.612

 46, 57.427,

 46, 57.427,

120.612

120.612

■ 46, 58.958,
120.894

■ 46, 54.250,
120.056

■ 47, 49.881,
119.862

■ 47, 44.501,
119.970

■ 47, 38.400,
120.281

■ 48, 31.819,
120.716

■ 48, 24.934,
121.219

■ 49, 17.869,
121.751

■ 50, 10.704,
122.288

Harmonies

Complementary

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



46, 57.427, 120.612



16, 70.874, 308.969

Rectangle

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



46, 57.427, 120.612



46, 57.427, 170.612



46, 57.427, 300.612



46, 57.427, 350.612

Sweetspot

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



46, 57.427, 120.613



62, 24.830, 121.546



29, 49.272, 50.260



32, 17.245, 121.356



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, 57.427, 120.613



59, 71.301, 121.259



44, 65.801, 134.829



25, 4.120, 122.596



48, 60.682, 120.955



91, 102.712, 121.754

Inverse Universe

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



16, 70.874, 308.969



20, 89.092, 308.918



25, 65.620, 322.213



24, 4.189, 303.534



15, 75.793, 309.118



36, 128.406, 308.605

Previews

White Background



This preview shows how the CIELCh color 46, 57.427, 120.612 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, 57.427, 120.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

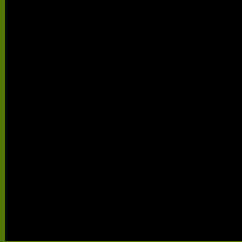
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 57.427, 120.612

Background



This preview shows how black text looks on a background with the CIELCh color 46, 57.427, 120.612.



This preview shows how white text looks on a background with the CIELCh color 46, 57.427, 120.612.

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

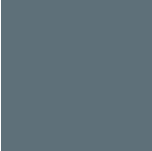
46, 57.427, 120.612

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 46.666, 82.596



Tritanopia
46, 8.513, 237.913

Trichromacy



Original Color
46, 57.427, 120.612

Protanomaly
46, 52.794, 105.547

Deuteranomaly
45, 47.635, 98.708

Tritanomaly
46, 23.726, 134.144

Monochromacy



Original Color
46, 57.427, 120.612

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 25.530, 120.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 57.427, 120.612 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(82, 120, 6)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 6)  
}
```

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(82, 120, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 57.427, 120.612 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(82, 120, 6) }
```

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

```
.border{ border-color:rgb(82, 120, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 120, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 6);  
box-shadow:4px 4px 4px 4px rgb(82, 120, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 57.427, 120.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 120, 6) }
```

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

```
.background{ background-color: rgb(82, 120,  
6) }
```

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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