

Converting Colors

CIELCh(46, 35.632, 126.874)

Have a look what the booklet for
CIELCh(46, 35.632, 126.874)
contains.

CIELCh(46, 36.090, 126.552)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 36.090, 126.552)

Conversions

Conversions Part 1

Format	Color
Hex	59763B
RGB	89, 118, 59
RGB Percent	35%, 46%, 23%
CMY	0.6527, 0.5390, 0.7702
CMYK	0.25, 0.00, 0.50, 0.54
HSL	90°, 33%, 35%
HSV	90°, 50%, 46%
XYZ	11.2849, 15.2687, 6.4352
YIQ	102.6030, 1.6550, -24.4970

Conversions

Conversions Part 2

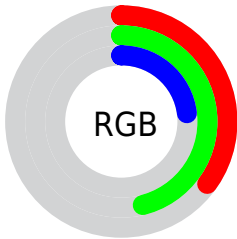
Format	Color
RYB	59, 118, 88
Decimal	5862971
CIELab	46.00, -21.49, 28.99
CIELCh	46, 36.090, 126.552
Yxy	15.2687, 0.3421, 0.4628
Android (android.graphics.Color)	4284053051 (0xFF59763B)
YUV	102.6030, -21.4963, -11.9298
Hunter-Lab	39.0751, -16.8307, 17.5882

Details

The CIELCh color **46, 36.090, 126.552** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **30, 38.781, 311.234**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 35.793, 126.807**, and **26, 35.717, 126.314** is the 20% darker color. If you saturate the color by 10%, you get **45, 42.651, 126.212**, and if you desaturate by 10%, it is **47, 29.161, 126.979**.

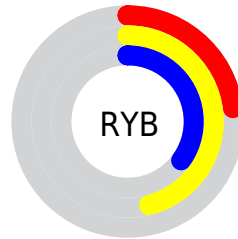
Distribution



Red (35%)

Green (46%)

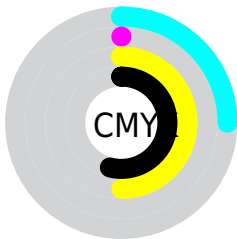
Blue (23%)



Red (23%)

Yellow (46%)

Blue (35%)

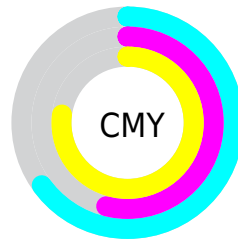


Cyan (25%)

Magenta (0%)

Yellow (50%)

Black (54%)



Cyan (65%)


Magenta (54%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 36.090, 126.552 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, 36.090, 126.552 by changing the saturation by 10% instead.


 46, 36.090,
126.552


 46, 36.090,
126.552


 100, 36.090,
126.552


 36, 36.090,
126.552

 66, 36.090,
126.552


 26, 36.090,
126.552

 76, 36.090,
126.552

 16, 36.090,
126.552

 86, 36.090,
126.552

 6, 36.090, 126.552

 96, 36.090,
126.552

 0, 36.090, 126.552

 46, 36.090,

 46, 36.090,

126.552

■ 45, 42.651,
126.212

■ 45, 48.636,
126.026

■ 45, 53.779,
126.095

■ 44, 57.795,
126.530

■ 44, 61.019,
127.110

126.552

■ 47, 29.161,
126.979

■ 47, 22.008,
127.439

■ 48, 14.737,
127.905

■ 49, 7.420, 128.359

■ 49, 0.109, 129.487

■ 50, 7.159, 309.154

■ 51, 14.356,
309.519

■ 52, 21.465,
309.848

■ 53, 28.470,

Harmonies

Complementary

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



46, 36.090, 126.552



30, 38.781, 311.234

Rectangle

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



46, 36.090, 126.552



46, 36.090, 176.552



46, 36.090, 306.552



46, 36.090, 356.552

Sweetspot

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



46, 36.091, 126.553



62, 13.605, 128.123



40, 23.124, 67.765



32, 9.228, 128.048



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, 36.091, 126.553



58, 52.647, 126.175



44, 41.687, 140.260



24, 4.102, 128.409



46, 62.847, 127.180



88, 107.465, 128.074

Inverse Universe

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



30, 38.781, 311.234



35, 57.624, 311.782



34, 41.562, 326.442



23, 4.156, 309.153



17, 72.338, 312.112



40, 123.359, 311.500

Previews

White Background



This preview shows how the CIE LCh color 46, 36.090, 126.552 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, 36.090, 126.552 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, 36.090, 126.552

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.090, 126.552.



This preview shows how white text looks on a background with the CIELCh color 46, 36.090, 126.552.

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, 36.090, 126.552

Protanopia

46, 31.081, 96.145

Deuteranopia

46, 28.336, 78.538



Tritanopia
46, 7.451, 245.060

Trichromacy



Original Color
46, 36.090, 126.552

Protanomaly
46, 31.585, 108.284

Deuteranomaly
46, 28.073, 99.485

Tritanomaly
46, 11.911, 149.819

Monochromacy



Original Color
46, 36.090, 126.552

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 13.916, 128.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.090, 126.552 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(89, 118, 59)` looks like.

```
.text, #text, p{  
    color:rgb(89, 118, 59)  
}
```

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(89, 118, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 118, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.090, 126.552 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(89, 118, 59) }
```

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

```
.border{ border-color:rgb(89, 118, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 118, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 118, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 118, 59);  
box-shadow:4px 4px 4px 4px rgb(89, 118,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.090, 126.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 118, 59) }
```

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

```
.background{ background-color: rgb(89, 118,  
59) }
```

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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