

Converting Colors

CIELCh(46, 50.403, 124.578)

Have a look what the booklet for
CIELCh(46, 50.403, 124.578)
contains.

CIELCh(46, 50.292, 124.863)	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, 50.292, 124.863)

Conversions

Conversions Part 1

Format	Color
Hex	507821
RGB	80, 120, 33
RGB Percent	31%, 47%, 13%
CMY	0.6860, 0.5291, 0.8703
CMYK	0.33, 0.00, 0.72, 0.53
HSL	88°, 57%, 30%
HSV	88°, 72%, 47%
XYZ	10.3148, 15.2687, 3.8476
YIQ	98.1220, 4.0870, -35.5370

Conversions

Conversions Part 2

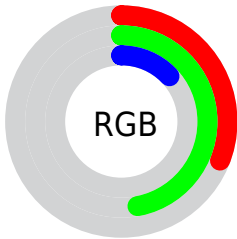
Format	Color
RYB	33, 120, 73
Decimal	5273633
CIELab	46.00, -28.75, 41.27
CIElCh	46, 50.292, 124.863
Yxy	15.2687, 0.3505, 0.5188
Android (android.graphics.Color)	4283463713 (0xFF507821)
YUV	98.1220, -32.1051, -15.8930
Hunter-Lab	39.0751, -21.2624, 21.5144

Details

The CIELCh color $46, 50.292, 124.863$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $23, 56.593, 311.327$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 50.612, 125.095$, and $26, 43.519, 128.814$ is the 20% darker color. If you saturate the color by 10%, you get $46, 55.203, 125.023$, and if you desaturate by 10%, it is $46, 44.452, 124.991$.

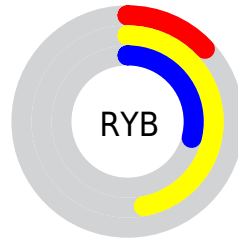
Distribution



Red (31%)

Green (47%)

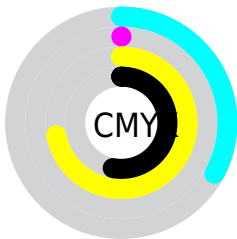
Blue (13%)



Red (13%)

Yellow (47%)

Blue (29%)

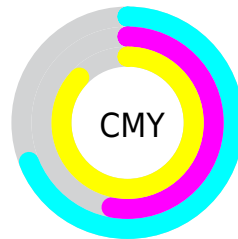


Cyan (33%)

Magenta (0%)

Yellow (72%)

Black (53%)



Cyan (69%)

Magenta (53%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 50.292, 124.863 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, 50.292, 124.863 by changing the saturation by 10% instead.


 46, 50.292,
124.863


 46, 50.292,
124.863


 100, 50.292,
124.863


 36, 50.292,
124.863

 66, 50.292,
124.863


 26, 50.292,
124.863

 76, 50.292,
124.863

 16, 50.292,
124.863

 86, 50.292,
124.863

 6, 50.292, 124.863

 96, 50.292,
124.863

 0, 50.292, 124.863

 46, 50.292,

 46, 50.292,

124.863

124.863

■ 46, 55.203,
125.023

■ 46, 44.452,
124.991

■ 45, 58.908,
125.573

■ 47, 37.965,
125.299

■ 45, 61.343,
126.030

■ 47, 31.056,
125.710

■ 48, 23.887,
126.170

■ 49, 16.574,
126.644

■ 49, 9.194, 127.112

■ 50, 1.804, 127.587

■ 51, 5.556, 307.949

■ 52, 12.857,

Harmonies

Complementary

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



46, 50.292, 124.863



23, 56.593, 311.327

Rectangle

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



46, 50.292, 124.863



46, 50.292, 174.863



46, 50.292, 304.863



46, 50.292, 354.863

Sweetspot

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



46, 50.292, 124.864



62, 20.071, 126.640



36, 35.510, 61.942



32, 13.586, 126.540



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, 50.292, 124.864



58, 69.763, 125.342



44, 57.405, 137.469



25, 4.221, 127.267



47, 63.159, 126.098



89, 107.162, 126.969

Inverse Universe

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



23, 56.593, 311.327



26, 80.530, 311.546



30, 56.782, 326.135



24, 4.280, 308.045



17, 73.923, 311.397



39, 125.183, 310.808

Previews

White Background



This preview shows how the CIELCh color 46, 50.292, 124.863 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, 50.292, 124.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

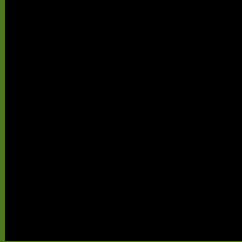
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 50.292, 124.863

Background



This preview shows how black text looks on a background with the CIELCh color 46, 50.292, 124.863.



This preview shows how white text looks on a background with the CIELCh color 46, 50.292, 124.863.

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, 50.292, 124.863

Protanopia

46, 43.696, 95.664

Deuteranopia

46, 39.669, 81.514



Tritanopia
46, 9.076, 235.034

Trichromacy



Original Color
46, 50.292, 124.863

Protanomaly
46, 44.537, 107.703

Deuteranomaly
45, 40.244, 100.311

Tritanomaly
46, 19.117, 143.973

Monochromacy



Original Color
46, 50.292, 124.863

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 20.120, 126.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 50.292, 124.863 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(80, 120, 33)` looks like.

```
.text, #text, p{  
    color:rgb(80, 120, 33)  
}
```

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(80, 120, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 120, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 50.292, 124.863 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(80, 120, 33) }
```

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

```
.border{ border-color:rgb(80, 120, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 120, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 120, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 120, 33);  
box-shadow:4px 4px 4px 4px rgb(80, 120,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 50.292, 124.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 120, 33) }
```

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

```
.background{ background-color: rgb(80, 120,  
33) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor