

Converting Colors

CIELCh(50, 44.584, 148.908)

Have a look what the booklet for
CIELCh(50, 44.584, 148.908)
contains.

CIELCh(50, 44.425, 148.928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 44.425, 148.928)

Conversions

Conversions Part 1

Format	Color
Hex	34864E
RGB	52, 134, 78
RGB Percent	20%, 53%, 31%
CMY	0.7949, 0.4734, 0.6931
CMYK	0.61, 0.00, 0.42, 0.47
HSL	139°, 44%, 37%
HSV	139°, 61%, 53%
XYZ	11.3794, 18.4187, 10.2107
YIQ	103.0980, -30.8960, -34.8000

Conversions

Conversions Part 2

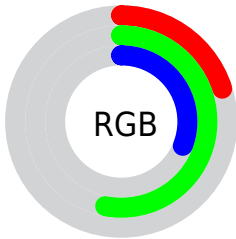
Format	Color
RYB	52, 114, 134
Decimal	3442254
CIELab	50.00, -38.05, 22.93
CIElCh	50, 44.425, 148.928
Yxy	18.4187, 0.2844, 0.4604
Android (android.graphics.Color)	4281632334 (0xFF34864E)
YUV	103.0980, -12.3733, -44.8129
Hunter-Lab	42.9170, -27.7756, 15.9357

Details

The CIELCh color $50, 44.425, 148.928$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $35, 44.525, 339.900$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 44.262, 148.960$, and $30, 42.002, 146.086$ is the 20% darker color. If you saturate the color by 10%, you get $49, 50.499, 147.396$, and if you desaturate by 10%, it is $51, 37.798, 150.283$.

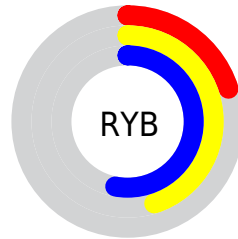
Distribution



Red (20%)

Green (53%)

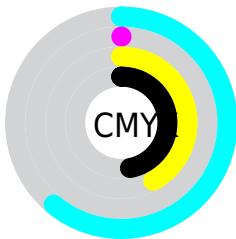
Blue (31%)



Red (20%)

Yellow (45%)

Blue (53%)

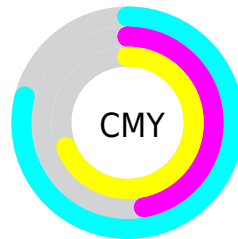


Cyan (61%)

Magenta (0%)

Yellow (42%)

Black (47%)



Cyan (79%)

Magenta (47%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 44.425, 148.928 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 50, 44.425, 148.928 by changing the saturation by 10% instead.


 50, 44.425,
148.928

 50, 44.425,
148.928

 100, 44.425,
148.928

 40, 44.425,
148.928

 70, 44.425,
148.928

 30, 44.425,
148.928

 80, 44.425,
148.928

 20, 44.425,
148.928

 90, 44.425,
148.928

 10, 44.425,
148.928

 0, 44.425, 148.928

 50, 44.425,
148.928

 50, 44.425,
148.928

■ 49, 50.499,
147.396

■ 51, 37.798,
150.283

■ 49, 55.908,
145.691

■ 51, 30.745,
151.471

■ 49, 60.572,
143.841

■ 52, 23.401,
152.510

■ 49, 64.223,
142.241

■ 53, 15.890,
153.420

■ 55, 8.321, 154.228

■ 56, 0.781, 155.223

■ 57, 6.661, 335.475

■ 59, 13.955,
336.046

■ 60, 21.067,
336.547

Harmonies

Complementary

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



50, 44.425, 148.928



35, 44.525, 339.900

Rectangle

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



50, 44.425, 148.928



50, 44.425, 198.928



50, 44.425, 328.928



50, 44.425, 18.928

Sweetspot

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



50, 44.426, 148.928



68, 16.740, 153.643



53, 45.893, 118.637



35, 11.586, 153.432



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 44.426, 148.928



63, 63.309, 146.811



51, 29.027, 177.169



27, 4.199, 154.376



47, 62.656, 142.310



1, 1.003, 154.968

Inverse Universe

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



35, 44.525, 339.900



42, 61.911, 341.475



34, 37.532, 12.433



26, 4.222, 335.536



28, 55.750, 345.438



0, 1.004, 334.961

Previews

White Background



This preview shows how the CIELCh color 50, 44.425, 148.928 looks on a white background.

Color Contrast Check

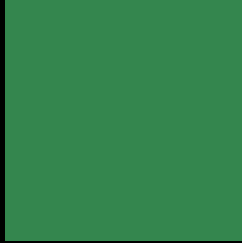
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 44.425, 148.928 looks on a black 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

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

CIELCh 50, 44.425, 148.928

Background



This preview shows how black text looks on a background with the CIELCh color 50, 44.425, 148.928.



This preview shows how white text looks on a background with the CIELCh color 50, 44.425, 148.928.

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
50, 44.425, 148.928

Protanopia
50, 26.972, 95.823

Deuteranopia
50, 21.870, 72.187



Tritanopia
50, 19.499, 217.117

Trichromacy



Original Color
50, 44.425, 148.928

Protanomaly
49, 30.334, 125.807

Deuteranomaly
49, 23.667, 119.969

Tritanomaly
50, 24.728, 177.408

Monochromacy



Original Color
50, 44.425, 148.928

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 16.867, 152.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 44.425, 148.928 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(52, 134, 78)` looks like.

```
.text, #text, p{  
    color:rgb(52, 134, 78)  
}
```

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(52, 134, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 134, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 44.425, 148.928 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(52, 134, 78) }
```

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

```
.border{ border-color:rgb(52, 134, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 134, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 134, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 134, 78);  
box-shadow:4px 4px 4px 4px rgb(52, 134,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 44.425, 148.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 134, 78) }
```

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

```
.background{ background-color: rgb(52, 134,  
78) }
```

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