

Converting Colors

CIELCh(50, 46.983, 140.553)

Have a look what the booklet for
CIELCh(50, 46.983, 140.553)
contains.

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Color

CIELCh(50, 46.672, 140.797)

Conversions

Conversions Part 1

Format	Color
Hex	418542
RGB	65, 133, 66
RGB Percent	25%, 52%, 26%
CMY	0.7435, 0.4769, 0.7398
CMYK	0.51, 0.00, 0.50, 0.48
HSL	121°, 34%, 39%
HSV	121°, 51%, 52%
XYZ	11.6424, 18.4187, 8.1517
YIQ	105.0300, -19.0210, -35.2530

Conversions

Conversions Part 2

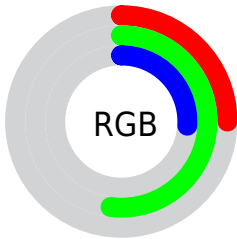
Format	Color
RYB	65, 132, 133
Decimal	4293954
CIELab	50.00, -36.17, 29.50
CIELCh	50, 46.672, 140.797
Yxy	18.4187, 0.3047, 0.4820
Android (android.graphics.Color)	4282484034 (0xFF418542)
YUV	105.0300, -19.2418, -35.1063
Hunter-Lab	42.9170, -26.6816, 18.7803

Details

The CIELCh color $50, 46.672, 140.797$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $39, 46.422, 327.414$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 46.953, 140.652$, and $30, 47.025, 140.597$ is the 20% darker color. If you saturate the color by 10%, you get $49, 54.646, 139.696$, and if you desaturate by 10%, it is $51, 38.007, 141.816$.

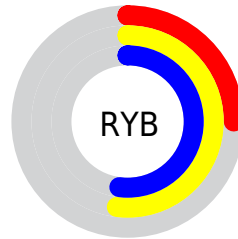
Distribution



Red (25%)

Green (52%)

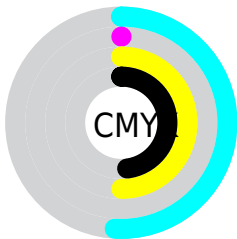
Blue (26%)



Red (25%)

Yellow (52%)

Blue (52%)

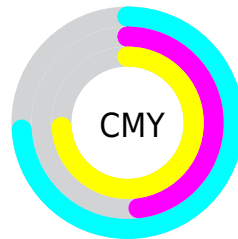


Cyan (51%)

Magenta (0%)

Yellow (50%)

Black (48%)



Cyan (74%)


Magenta (48%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 46.672, 140.797 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, 46.672, 140.797 by changing the saturation by 10% instead.


 50, 46.672,
140.797


 50, 46.672,
140.797


 100, 46.672,
140.797


 40, 46.672,
140.797


 70, 46.672,
140.797

 30, 46.672,
140.797


 80, 46.672,
140.797


 20, 46.672,
140.797

 90, 46.672,
140.797

 10, 46.672,
140.797

 0, 46.672, 140.797

 50, 46.672,
140.797

 50, 46.672,
140.797

■ 49, 54.646,
139.696

■ 51, 38.007,
141.816

■ 49, 61.623,
138.572

■ 52, 28.908,
142.725

■ 48, 67.263,
137.530

■ 53, 19.586,
143.518

■ 48, 71.253,
136.699

■ 54, 10.206,
144.206

■ 48, 73.723,
136.186

■ 56, 0.892, 144.984

■ 57, 8.266, 325.236

■ 59, 17.208,
325.668

■ 60, 25.896,
326.030

■ 62, 34.312,
326.337

Harmonies

Complementary

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



50, 46.672, 140.797



39, 46.422, 327.414

Rectangle

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



50, 46.672, 140.797



50, 46.672, 190.797



50, 46.672, 320.797



50, 46.672, 10.797

Sweetspot

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



50, 46.673, 140.797



68, 17.325, 143.917



54, 37.645, 105.515



35, 11.778, 143.794



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, 46.673, 140.797



63, 67.480, 139.538



51, 32.252, 158.492



27, 5.213, 144.324



47, 72.371, 136.191



1, 1.244, 144.820

Inverse Universe

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



39, 46.422, 327.414



47, 66.686, 327.880



37, 34.031, 348.898



26, 5.222, 325.280



30, 69.377, 328.784



0, 1.244, 324.815

Previews

White Background



This preview shows how the CIELCh color 50, 46.672, 140.797 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, 46.672, 140.797 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, 46.672, 140.797

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.672, 140.797.



This preview shows how white text looks on a background with the CIELCh color 50, 46.672, 140.797.

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, 46.672, 140.797

Protanopia

50, 33.062, 95.194

Deuteranopia

50, 27.894, 76.881



Tritanopia
50, 16.319, 219.138

Trichromacy



Original Color
50, 46.672, 140.797

Protanomaly
49, 35.250, 118.232

Deuteranomaly
49, 28.685, 110.885

Tritanomaly
50, 22.825, 169.511

Monochromacy



Original Color
50, 46.672, 140.797

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 17.420, 143.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.672, 140.797 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(65, 133, 66)` looks like.

```
.text, #text, p{  
    color:rgb(65, 133, 66)  
}
```

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(65, 133, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 133, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.672, 140.797 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(65, 133, 66) }
```

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

```
.border{ border-color:rgb(65, 133, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 133, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 133, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 133, 66);  
box-shadow:4px 4px 4px 4px rgb(65, 133,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.672, 140.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 133, 66) }
```

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

```
.background{ background-color: rgb(65, 133,  
66) }
```

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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