

Converting Colors

CIELCh(50, 52.633, 131.201)

Have a look what the booklet for
CIELCh(50, 52.633, 131.201)
contains.

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Color

CIELCh(50, 52.955, 130.991)

Conversions

Conversions Part 1

Format	Color
Hex	4D852E
RGB	77, 133, 46
RGB Percent	30%, 52%, 18%
CMY	0.6996, 0.4800, 0.8211
CMYK	0.42, 0.00, 0.66, 0.48
HSL	99°, 49%, 35%
HSV	99°, 66%, 52%
XYZ	11.8449, 18.4187, 5.4755
YIQ	106.3380, -5.4490, -38.9290

Conversions

Conversions Part 2

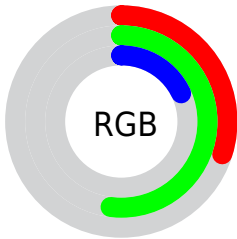
Format	Color
R_{YB}	46, 133, 102
Decimal	5080366
CIE _{Lab}	50.00, -34.74, 39.97
CIE _{LCh}	50, 52.955, 130.991
Yxy	18.4187, 0.3314, 0.5154
Android (android.graphics.Color)	4283270446 (0xFF4D852E)
YUV	106.3380, -29.7466, -25.7294
Hunter-Lab	42.9170, -25.8394, 22.4774

Details

The CIELCh color **50, 52.955, 130.991** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **30, 56.025, 316.460**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 53.125, 131.064**, and **30, 50.750, 132.700** is the 20% darker color. If you saturate the color by 10%, you get **49, 59.308, 130.815**, and if you desaturate by 10%, it is **51, 45.744, 131.358**.

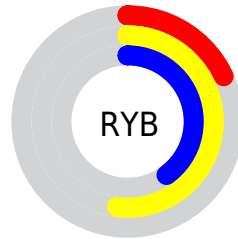
Distribution



Red (30%)

Green (52%)

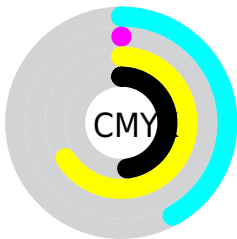
Blue (18%)



Red (18%)

Yellow (52%)

Blue (40%)

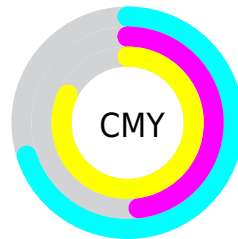


Cyan (42%)

Magenta (0%)

Yellow (66%)

Black (48%)



Cyan (70%)


Magenta (48%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 52.955, 130.991 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, 52.955, 130.991 by changing the saturation by 10% instead.


 50, 52.955,
130.991


 50, 52.955,
130.991


 100, 52.955,
130.991


 40, 52.955,
130.991


 70, 52.955,
130.991

 30, 52.955,
130.991


 80, 52.955,
130.991


 20, 52.955,
130.991

 90, 52.955,
130.991

 10, 52.955,
130.991

 0, 52.955, 130.991

 50, 52.955,
130.991

 50, 52.955,
130.991

■ 49, 59.308,
130.815

■ 51, 45.744,
131.358

■ 49, 64.465,
130.944

■ 51, 37.963,
131.822

■ 49, 68.220,
131.438

■ 52, 29.829,
132.321

■ 49, 69.719,
131.616

■ 53, 21.500,
132.816

■ 54, 13.090,
133.287

■ 55, 4.680, 133.734

■ 56, 3.671, 314.063

■ 57, 11.921,
314.433

■ 58, 20.041,
314.743

Harmonies

Complementary

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



50, 52.955, 130.991



30, 56.025, 316.460

Rectangle

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



50, 52.955, 130.991



50, 52.955, 180.991



50, 52.955, 310.991



50, 52.955, 0.991

Sweetspot

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



50, 52.956, 130.992



68, 20.911, 133.062



45, 36.011, 79.686



35, 14.208, 132.949



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, 52.956, 130.992



63, 75.664, 130.837



49, 53.575, 142.248



28, 4.722, 133.576



48, 68.727, 131.588



1, 1.130, 133.931

Inverse Universe

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



30, 56.025, 316.460



35, 80.583, 316.550



35, 52.553, 332.142



26, 4.766, 314.279



22, 73.303, 315.957



0, 1.130, 313.928

Previews

White Background



This preview shows how the CIELCh color 50, 52.955, 130.991 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 52.955, 130.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

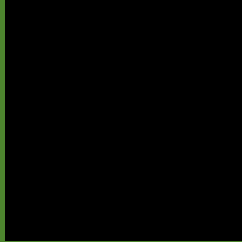
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 52.955, 130.991

Background



This preview shows how black text looks on a background with the CIELCh color 50, 52.955, 130.991.



This preview shows how white text looks on a background with the CIELCh color 50, 52.955, 130.991.

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, 52.955, 130.991

Protanopia

50, 42.854, 96.164

Deuteranopia

50, 38.767, 80.503



Tritanopia
50, 12.969, 225.338

Trichromacy



Original Color
50, 52.955, 130.991

Protanomaly
50, 44.457, 111.647

Deuteranomaly
49, 39.006, 104.279

Tritanomaly
50, 21.940, 155.488

Monochromacy



Original Color
50, 52.955, 130.991

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 20.833, 133.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 52.955, 130.991 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(77, 133, 46)` looks like.

```
.text, #text, p{  
    color:rgb(77, 133, 46)  
}
```

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(77, 133, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 133, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 52.955, 130.991 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(77, 133, 46) }
```

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

```
.border{ border-color:rgb(77, 133, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 133, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 133, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 133, 46);  
box-shadow:4px 4px 4px 4px rgb(77, 133,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 52.955, 130.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 133, 46) }
```

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

```
.background{ background-color: rgb(77, 133,  
46) }
```

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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