

Converting Colors

CIELCh(50, 35.519, 133.940)

Have a look what the booklet for
CIELCh(50, 35.519, 133.940)
contains.

CIELCh(50, 35.477, 133.956)	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(50, 35.477, 133.956)

Conversions

Conversions Part 1

Format	Color
Hex	5A814A
RGB	90, 129, 74
RGB Percent	35%, 51%, 29%
CMY	0.6465, 0.4935, 0.7092
CMYK	0.30, 0.00, 0.43, 0.49
HSL	103°, 27%, 40%
HSV	103°, 43%, 51%
XYZ	13.3425, 18.4187, 9.3557
YIQ	111.0690, -5.5890, -25.3730

Conversions

Conversions Part 2

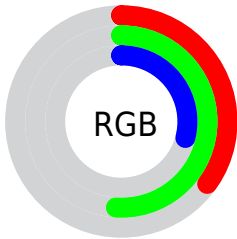
Format	Color
RYB	74, 129, 113
Decimal	5931338
CIELab	50.00, -24.62, 25.54
CIElCh	50, 35.477, 133.956
Yxy	18.4187, 0.3245, 0.4480
Android (android.graphics.Color)	4284121418 (0xFF5A814A)
YUV	111.0690, -18.2750, -18.4775
Hunter-Lab	42.9170, -19.6107, 17.1169

Details

The CIELCh color **50, 35.477, 133.956** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **38, 36.524, 317.762**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 35.091, 133.899**, and **30, 35.404, 133.970** is the 20% darker color. If you saturate the color by 10%, you get **49, 43.371, 133.417**, and if you desaturate by 10%, it is **51, 27.281, 134.501**.

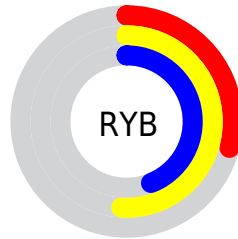
Distribution



Red (35%)

Green (51%)

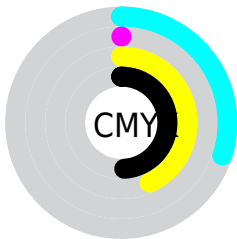
Blue (29%)



Red (29%)

Yellow (51%)

Blue (44%)

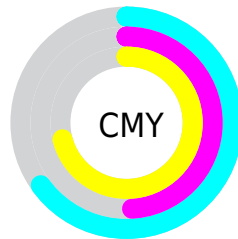


Cyan (30%)

Magenta (0%)

Yellow (43%)

Black (49%)



Cyan (65%)


Magenta (49%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 35.477, 133.956 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, 35.477, 133.956 by changing the saturation by 10% instead.


 50, 35.477,
133.956


 50, 35.477,
133.956


 100, 35.477,
133.956


 40, 35.477,
133.956


 70, 35.477,
133.956

 30, 35.477,
133.956


 80, 35.477,
133.956


 20, 35.477,
133.956

 90, 35.477,
133.956

 10, 35.477,
133.956

 0, 35.477, 133.956

 50, 35.477,
133.956

 50, 35.477,
133.956

■ 49, 43.371,
133.417

■ 51, 27.281,
134.501

■ 49, 50.759,
132.932

■ 52, 18.928,
135.020

■ 48, 57.373,
132.583

■ 53, 10.526,
135.501

■ 48, 62.888,
132.480

■ 54, 2.153, 135.978

■ 47, 66.986,
132.732

■ 55, 6.134, 316.274

■ 47, 69.477,
132.928

■ 56, 14.296,
316.620

■ 57, 22.305,
316.914

■ 59, 30.144,
317.168

■ 60, 37.802,
317.386

Harmonies

Complementary

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



50, 35.477, 133.956



38, 36.524, 317.762

Rectangle

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



50, 35.477, 133.956



50, 35.477, 183.956



50, 35.477, 313.956



50, 35.477, 3.956

Sweetspot

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



50, 35.478, 133.957



67, 13.493, 135.468



48, 23.758, 88.438



35, 9.404, 135.379



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 35.478, 133.957



63, 52.244, 133.438



49, 33.730, 147.120



26, 4.654, 135.661



47, 68.819, 132.912



0, 0.000, 0.000

Inverse Universe

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



38, 36.524, 317.762



45, 54.079, 318.103



39, 33.812, 333.215



25, 4.689, 316.367



23, 71.397, 317.938



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 35.477, 133.956 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, 35.477, 133.956 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, 35.477, 133.956

Background



This preview shows how black text looks on a background with the CIELCh color 50, 35.477, 133.956.



This preview shows how white text looks on a background with the CIELCh color 50, 35.477, 133.956.

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, 35.477, 133.956

Protanopia
50, 28.571, 96.203

Deuteranopia
50, 24.619, 74.596



Tritanopia
50, 9.850, 235.380

Trichromacy



Original Color
50, 35.477, 133.956

Protanomaly
50, 29.220, 112.550

Deuteranomaly
49, 24.266, 102.666

Tritanomaly
50, 14.166, 162.601

Monochromacy



Original Color
50, 35.477, 133.956

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 13.333, 136.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 35.477, 133.956 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(90, 129, 74)` looks like.

```
.text, #text, p{  
    color:rgb(90, 129, 74)  
}
```

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(90, 129, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 129, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 35.477, 133.956 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(90, 129, 74) }
```

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

```
.border{ border-color:rgb(90, 129, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 129, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 129, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 129, 74);  
box-shadow:4px 4px 4px 4px rgb(90, 129,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 35.477, 133.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 129, 74) }
```

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

```
.background{ background-color: rgb(90, 129,  
74) }
```

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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