

Converting Colors

CIELCh(68, 79.916, 134.877)

Have a look what the booklet for
CIELCh(68, 79.916, 134.877)
contains.

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Color

CIELCh(68, 79.697, 134.793)

Conversions

Conversions Part 1

Format	Color
Hex	4DBC33
RGB	77, 188, 51
RGB Percent	30%, 74%, 20%
CMY	0.6963, 0.2612, 0.7984
CMYK	0.59, 0.00, 0.73, 0.26
HSL	109°, 57%, 47%
HSV	109°, 73%, 74%
XYZ	21.7694, 37.9720, 9.3607
YIQ	139.1930, -22.1790, -66.1390

Conversions

Conversions Part 2

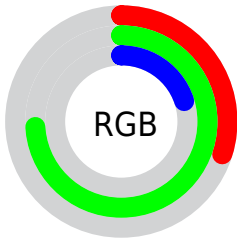
Format	Color
RYB	51, 188, 162
Decimal	5094451
CIELab	68.00, -56.15, 56.56
CIELCh	68, 79.697, 134.793
Yxy	37.9720, 0.3150, 0.5495
Android (android.graphics.Color)	4283284531 (0xFF4DBC33)
YUV	139.1930, -43.4791, -54.5433
Hunter-Lab	61.6215, -44.7778, 34.1284

Details

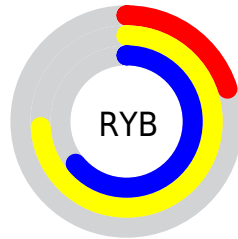
The CIELCh color **68, 79.697, 134.793** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **44, 80.828, 321.682**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 79.553, 134.849**, and **48, 73.868, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 86.715, 134.510**, and if you desaturate by 10%, it is **69, 70.898, 135.327**.

Distribution



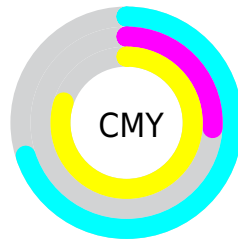
- Red (30%)
- Green (74%)
- Blue (20%)



- Red (20%)
- Yellow (74%)
- Blue (64%)



- Cyan (59%)
- Magenta (0%)
- Yellow (73%)
- Black (26%)




- Cyan (70%)
- Magenta (26%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 79.697, 134.793 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 68, 79.697, 134.793 by changing the saturation by 10% instead.

 68, 79.697,
134.793


 68, 79.697,
134.793


 100, 79.697,
134.793


 58, 79.697,
134.793


 88, 79.697,
134.793

 48, 79.697,
134.793

 98, 79.697,
134.793

 38, 79.697,
134.793

 28, 79.697,
134.793

 18, 79.697,
134.793

 8, 79.697, 134.793

 0, 79.697, 134.793

■ 68, 79.697,
134.793

■ 68, 79.697,
134.793

■ 67, 86.715,
134.510

■ 69, 70.898,
135.327

■ 67, 91.519,
134.590

■ 70, 60.817,
135.986

■ 67, 93.821,
134.780

■ 70, 49.883,
136.678

■ 72, 38.431,
137.347

■ 73, 26.711,
137.965

■ 74, 14.908,
138.520

■ 76, 3.156, 139.053

■ 78, 8.446, 319.383

■ 79, 19.834,
319.756

Harmonies

Complementary

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



68, 79.697, 134.793



44, 80.828, 321.682

Rectangle

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



68, 79.697, 134.793



68, 79.697, 184.793



68, 79.697, 314.793



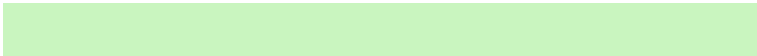
68, 79.697, 4.793

Sweetspot

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



68, 79.697, 134.794



92, 32.005, 137.985



67, 57.720, 91.641



49, 21.500, 137.825



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 79.697, 134.794



85, 109.244, 134.506



68, 68.331, 146.180



39, 6.643, 138.695



57, 82.277, 134.658



9, 20.700, 140.666

Inverse Universe

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



44, 80.828, 321.682



52, 109.820, 321.495



46, 66.601, 340.581



37, 6.678, 319.502



32, 82.246, 321.135



3, 19.653, 317.164

Previews

White Background



This preview shows how the CIELCh color 68, 79.697, 134.793 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 68, 79.697, 134.793 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 ✓ Pass

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

CIELCh 68, 79.697, 134.793

Background



This preview shows how black text looks on a background with the CIELCh color 68, 79.697, 134.793.



This preview shows how white text looks on a background with the CIELCh color 68, 79.697, 134.793.

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
68, 79.697, 134.793

Protanopia
68, 60.899, 95.250

Deuteranopia
67, 54.210, 80.495



Tritanopia
68, 23.092, 217.464

Trichromacy



Original Color
68, 79.697, 134.793



Protanomaly
67, 64.152, 114.795



Deuteranomaly
66, 56.056, 108.424



Tritanomaly
68, 37.743, 159.784

Monochromacy



Original Color
68, 79.697, 134.793



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 32.327, 137.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 79.697, 134.793 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, 188, 51)` looks like.

```
.text, #text, p{  
    color:rgb(77, 188, 51)  
}
```

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, 188, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 188, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 79.697, 134.793 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, 188, 51) }
```

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

```
.border{ border-color:rgb(77, 188, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 188, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 188, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 188, 51);  
box-shadow:4px 4px 4px 4px rgb(77, 188,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 79.697, 134.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 188, 51) }
```

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

```
.background{ background-color: rgb(77, 188,  
51) }
```

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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