

Converting Colors

CIELCh(70, 64.304, 136.028)

Have a look what the booklet for
CIELCh(70, 64.304, 136.028)
contains.

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Color

CIELCh(70, 64.639, 136.051)

Conversions

Conversions Part 1

Format	Color
Hex	68BF55
RGB	104, 191, 85
RGB Percent	41%, 75%, 33%
CMY	0.5930, 0.2518, 0.6674
CMYK	0.46, 0.00, 0.56, 0.25
HSL	109°, 45%, 54%
HSV	109°, 56%, 75%
XYZ	25.8986, 40.7494, 15.0530
YIQ	152.9030, -17.8260, -51.4100

Conversions

Conversions Part 2

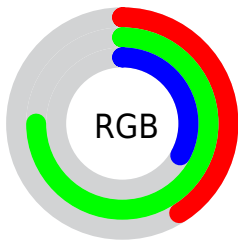
Format	Color
RYB	85, 191, 172
Decimal	6864725
CIELab	70.00, -46.54, 44.86
CIELCh	70, 64.639, 136.051
Yxy	40.7494, 0.3170, 0.4988
Android (android.graphics.Color)	4285054805 (0xFF68BF55)
YUV	152.9030, -33.4762, -42.8879
Hunter-Lab	63.8353, -39.2926, 30.7035

Details

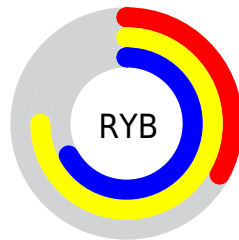
The CIELCh color **70, 64.639, 136.051** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **51, 65.689, 321.733**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 64.832, 136.036**, and **50, 64.823, 135.936** is the 20% darker color. If you saturate the color by 10%, you get **69, 74.513, 135.393**, and if you desaturate by 10%, it is **71, 53.777, 136.761**.

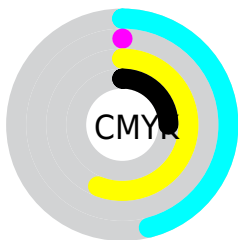
Distribution



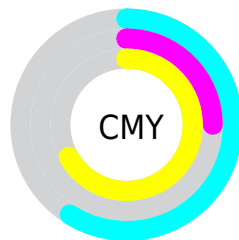
- Red (41%)
- Green (75%)
- Blue (33%)



- Red (33%)
- Yellow (75%)
- Blue (67%)



- Cyan (46%)
- Magenta (0%)
- Yellow (56%)
- Black (25%)





- Cyan (59%)
- Magenta (25%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 64.639, 136.051 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 70, 64.639, 136.051 by changing the saturation by 10% instead.


 70, 64.639,
136.051


 70, 64.639,
136.051


 100, 64.639,
136.051


 60, 64.639,
136.051


 90, 64.639,
136.051

 50, 64.639,
136.051

 40, 64.639,
136.051

 30, 64.639,
136.051

 20, 64.639,
136.051

 10, 64.639,
136.051

 0, 64.639, 136.051

70, 64.639,
136.051

70, 64.639,
136.051

69, 74.513,
135.393

71, 53.777,
136.761

69, 82.932,
134.889

72, 42.293,
137.457

68, 89.391,
134.667

73, 30.468,
138.102

68, 93.525,
134.824

75, 18.510,
138.684

68, 94.866,
134.907

76, 6.570, 139.213

78, 5.242, 319.582

80, 16.849,
319.989

82, 28.200,
320.318

■ 84, 38.586,
321.160

Harmonies

Complementary

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



70, 64.639, 136.051



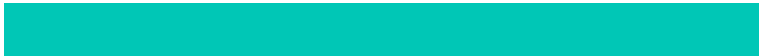
51, 65.689, 321.733

Rectangle

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



70, 64.639, 136.051



70, 64.639, 186.051



70, 64.639, 316.051



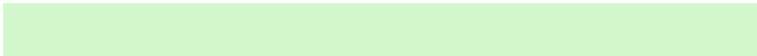
70, 64.639, 6.051

Sweetspot

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



70, 64.640, 136.052



94, 24.999, 138.589



70, 46.634, 94.897



50, 16.867, 138.474



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 64.640, 136.052



87, 93.329, 135.247



70, 54.244, 149.480



39, 6.665, 139.015



57, 82.412, 134.783



9, 20.755, 140.892

Inverse Universe

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



51, 65.689, 321.733



59, 94.589, 321.993



52, 54.587, 339.502



37, 6.699, 319.831



32, 82.123, 321.521



3, 19.738, 317.637

Previews

White Background



This preview shows how the CIELCh color 70, 64.639, 136.051 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 70, 64.639, 136.051 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 70, 64.639, 136.051

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.639, 136.051.



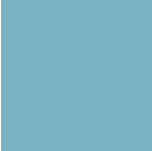
This preview shows how white text looks on a background with the CIELCh color 70, 64.639, 136.051.

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





Tritanopia
70, 19.464, 223.310

Trichromacy



Original Color
70, 64.639, 136.051



Protanomaly
69, 51.725, 114.616



Deuteranomaly
69, 43.496, 106.845



Tritanomaly
69, 28.709, 163.511

Monochromacy



Original Color
70, 64.639, 136.051



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 24.979, 138.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.639, 136.051 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(104, 191, 85)` looks like.

```
.text, #text, p{  
    color:rgb(104, 191, 85)  
}
```

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(104, 191, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 191, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.639, 136.051 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(104, 191, 85) }
```

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

```
.border{ border-color:rgb(104, 191, 85) }
```

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

Here you see how a box with a 4 pixel rgb(104, 191, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 191, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 191, 85);  
box-shadow:4px 4px 4px 4px rgb(104, 191,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.639, 136.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 191, 85) }
```

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

```
.background{ background-color: rgb(104,  
191, 85) }
```

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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