

Converting Colors

CIELCh(65, 64.739, 139.080)

Have a look what the booklet for
CIELCh(65, 64.739, 139.080)
contains.

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Color

CIELCh(65, 64.891, 139.132)

Conversions

Conversions Part 1

Format	Color
Hex	50B24D
RGB	80, 178, 77
RGB Percent	31%, 70%, 30%
CMY	0.6866, 0.3022, 0.6983
CMYK	0.55, 0.00, 0.57, 0.30
HSL	118°, 40%, 50%
HSV	118°, 57%, 70%
XYZ	20.5437, 34.0472, 12.4972
YIQ	137.1840, -25.9870, -52.1870

Conversions

Conversions Part 2

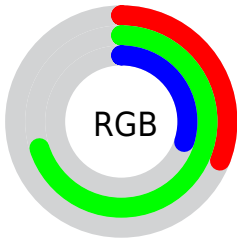
Format	Color
RYB	77, 178, 175
Decimal	5288525
CIELab	65.00, -49.07, 42.46
CIElCh	65, 64.891, 139.132
Yxy	34.0472, 0.3062, 0.5075
Android (android.graphics.Color)	4283478605 (0xFF50B24D)
YUV	137.1840, -29.6707, -50.1504
Hunter-Lab	58.3500, -39.2665, 28.1464

Details

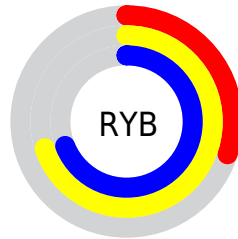
The CIELCh color **65, 64.891, 139.132** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **49, 64.547, 326.387**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 65.065, 139.234**, and **45, 64.902, 139.035** is the 20% darker color. If you saturate the color by 10%, you get **64, 74.144, 138.097**, and if you desaturate by 10%, it is **66, 54.469, 140.153**.

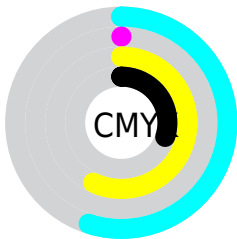
Distribution



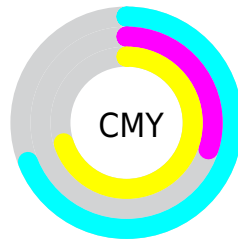
- Red (31%)
- Green (70%)
- Blue (30%)



- Red (30%)
- Yellow (70%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (57%)
- Black (30%)





- Cyan (69%)
- Magenta (30%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 64.891, 139.132 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 65, 64.891, 139.132 by changing the saturation by 10% instead.


 65, 64.891,
139.132


 65, 64.891,
139.132


 100, 64.891,
139.132


 55, 64.891,
139.132


 85, 64.891,
139.132

 45, 64.891,
139.132

 95, 64.891,
139.132

 35, 64.891,
139.132

 25, 64.891,
139.132

 15, 64.891,
139.132

 5, 64.891, 139.132

 0, 64.891, 139.132

■ 65, 64.891,
139.132

■ 65, 64.891,
139.132

■ 64, 74.144,
138.097

■ 66, 54.469,
140.153

■ 64, 81.763,
137.150

■ 67, 43.273,
141.097

■ 63, 87.287,
136.430

■ 68, 31.626,
141.938

■ 63, 90.489,
136.025

■ 70, 19.782,
142.671

■ 63, 91.270,
135.888

■ 71, 7.934, 143.313

■ 73, 3.779, 323.754

■ 75, 15.259,
324.251

■ 77, 26.443,
324.639

■ 79, 37.293,
324.965

Harmonies

Complementary

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



65, 64.891, 139.132



49, 64.547, 326.387

Rectangle

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



65, 64.891, 139.132



65, 64.891, 189.132



65, 64.891, 319.132



65, 64.891, 9.132

Sweetspot

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



65, 64.892, 139.133



88, 24.903, 142.634



70, 50.887, 103.345



47, 16.801, 142.496



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 64.892, 139.133



82, 92.895, 137.855



66, 46.109, 155.822



37, 6.675, 143.154



55, 81.629, 135.862



7, 16.140, 143.835

Inverse Universe

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



49, 64.547, 326.387



59, 91.687, 326.773



47, 48.131, 347.911



35, 6.689, 324.118



35, 79.034, 327.084



2, 16.028, 323.228

Previews

White Background



This preview shows how the CIELCh color 65, 64.891, 139.132 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 65, 64.891, 139.132 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 65, 64.891, 139.132

Background



This preview shows how black text looks on a background with the CIELCh color 65, 64.891, 139.132.



This preview shows how white text looks on a background with the CIELCh color 65, 64.891, 139.132.

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
65, 64.891, 139.132

Protanopia
65, 47.043, 95.725

Deuteranopia
64, 40.559, 77.746



Tritanopia
65, 21.628, 219.130

Trichromacy



Original Color
65, 64.891, 139.132



Protanomaly
64, 49.762, 117.579



Deuteranomaly
64, 42.064, 110.990



Tritanomaly
65, 31.149, 166.768

Monochromacy



Original Color
65, 64.891, 139.132



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 25.322, 142.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 64.891, 139.132 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(80, 178, 77)` looks like.

```
.text, #text, p{  
    color:rgb(80, 178, 77)  
}
```

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(80, 178, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 178, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 64.891, 139.132 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(80, 178, 77) }
```

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

```
.border{ border-color:rgb(80, 178, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 178, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 178, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 178, 77);  
box-shadow:4px 4px 4px 4px rgb(80, 178,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 64.891, 139.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 178, 77) }
```

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

```
.background{ background-color: rgb(80, 178,  
77) }
```

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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