

# Converting Colors

CIELCh(69, 80.203, 144.261)

Have a look what the booklet for  
CIELCh(69, 80.203, 144.261)  
contains.

<b>CIELCh(69, 79.945, 144.327)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(69, 79.945, 144.327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08C24D
RGB	8, 194, 77
RGB Percent	3%, 76%, 30%
CMY	0.9694, 0.2377, 0.6967
CMYK	0.96, 0.00, 0.60, 0.24
HSL	142°, 92%, 40%
HSV	142°, 96%, 76%
XYZ	20.8262, 39.3444, 13.5823
YIQ	125.0480, -73.2990, -75.8190

# Conversions

## Conversions Part 2

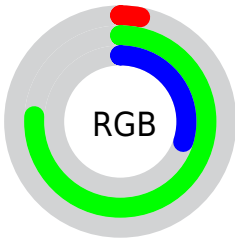
Format	Color
<a href="#">RYB</a>	<a href="#">8, 144, 194</a>
Decimal	<a href="#">574029</a>
CIELab	<a href="#">69.00, -64.94, 46.62</a>
CIELCh	<a href="#">69, 79.945, 144.327</a>
Yxy	<a href="#">39.3444, 0.2824, 0.5335</a>
Android (android.graphics.Color)	<a href="#">4278764109 (0xFF08C24D)</a>
YUV	<a href="#">125.0480, -23.6877, -102.6511</a>
Hunter-Lab	<a href="#">62.7251, -50.5027, 31.0691</a>

# Details

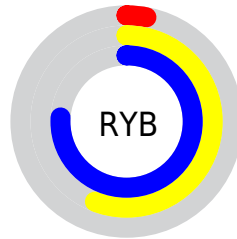
The CIELCh color **69, 79.945, 144.327** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **43, 71.890, 349.654**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 79.780, 144.385**, and **50, 72.279, 138.245** is the 20% darker color. If you saturate the color by 10%, you get **69, 81.913, 143.522**, and if you desaturate by 10%, it is **69, 74.587, 146.409**.

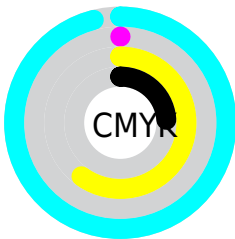
# Distribution



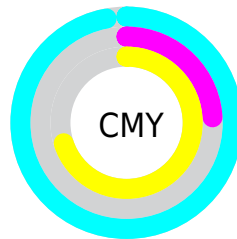
- Red (3%)
- Green (76%)
- Blue (30%)



- Red (3%)
- Yellow (56%)
- Blue (76%)



- Cyan (96%)
- Magenta (0%)
- Yellow (60%)
- Black (24%)




- Cyan (97%)
- Magenta (24%)
- Yellow (70%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 79.945, 144.327 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 69, 79.945, 144.327 by changing the saturation by 10% instead.





 69, 79.945,  
144.327


 69, 79.945,  
144.327


 100, 79.945,  
144.327


 59, 79.945,  
144.327


 89, 79.945,  
144.327

 49, 79.945,  
144.327

 99, 79.945,  
144.327

 39, 79.945,  
144.327

 29, 79.945,  
144.327

 19, 79.945,  
144.327

 9, 79.945, 144.327

 0, 79.945, 144.327

■ 69, 79.945,  
144.327

■ 69, 79.945,  
144.327

■ 69, 81.913,  
143.522

■ 69, 74.587,  
146.409

■ 70, 68.276,  
148.348

■ 70, 61.041,  
150.099

■ 71, 52.978,  
151.652

■ 72, 44.234,  
153.015

■ 73, 34.981,  
154.206

■ 74, 25.393,  
155.248

■ 76, 15.630,

156.167

■ 78, 5.827, 157.007

# Harmonies

# Complementary

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



69, 79.945, 144.327



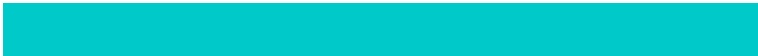
43, 71.890, 349.654

# Rectangle

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



69, 79.945, 144.327



69, 79.945, 194.327



69, 79.945, 324.327



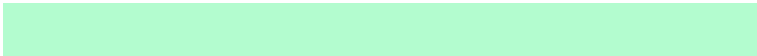
69, 79.945, 14.327

# Sweetspot

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



69, 79.945, 144.327



93, 35.002, 154.901



72, 83.962, 122.585



50, 24.154, 154.444



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



69, 79.945, 144.327



87, 100.524, 143.160



71, 46.131, 178.675



40, 5.521, 156.725



58, 70.603, 143.850



10, 20.110, 152.032



# Inverse Universe

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



43, 71.890, 349.654



55, 87.545, 351.187



41, 76.992, 32.414



38, 5.560, 338.028



35, 62.792, 350.265

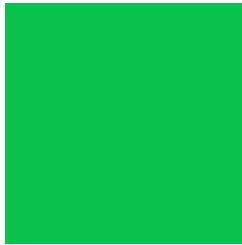


3, 17.210, 344.602



# Previews

## White Background



This preview shows how the CIELCh color 69, 79.945, 144.327 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 69, 79.945, 144.327 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 69, 79.945, 144.327**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 79.945, 144.327.



This preview shows how white text looks on a background with the CIELCh color 69, 79.945, 144.327.

# 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**  
69, 79.887, 144.286

**Protanopia**  
68, 51.996, 95.397

**Deuteranopia**  
68, 44.050, 78.298





**Tritanopia**  
69, 30.351, 213.170

# Trichromacy



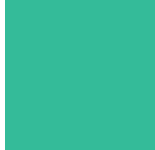
**Original Color**  
69, 79.887, 144.286



**Protanomaly**  
67, 59.311, 127.627



**Deuteranomaly**  
66, 49.446, 124.667



**Tritanomaly**  
68, 44.421, 171.003

# Monochromacy



**Original Color**  
69, 79.887, 144.286



**Achromatopsia**  
52, 0.007, 296.813



**Achromatomaly**  
57, 35.100, 153.619

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 79.945, 144.327 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(8, 194, 77)` looks like.

```
.text, #text, p{  
    color:rgb(8, 194, 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(8, 194, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 194, 77) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 79.945, 144.327 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(8, 194, 77) }
```

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

```
.border{ border-color:rgb(8, 194, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 194, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 194, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 194, 77);  
box-shadow:4px 4px 4px 4px rgb(8, 194, 77)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 79.945, 144.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 194, 77) }
```

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

```
.background{ background-color: rgb(8, 194,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor