

Converting Colors

CIELCh(70, 64.317, 126.098)

Have a look what the booklet for
CIELCh(70, 64.317, 126.098)
contains.

CIELCh(70, 64.245, 126.236)	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(70, 64.245, 126.236)

Conversions

Conversions Part 1

Format	Color
Hex	81BB46
RGB	129, 187, 70
RGB Percent	51%, 73%, 27%
CMY	0.4934, 0.2659, 0.7248
CMYK	0.31, 0.00, 0.63, 0.27
HSL	90°, 46%, 50%
HSV	90°, 63%, 73%
XYZ	28.0053, 40.7494, 12.2142
YIQ	156.3200, 2.9890, -48.6830

Conversions

Conversions Part 2

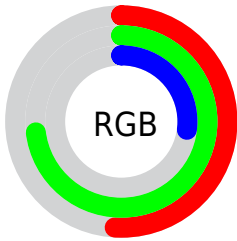
Format	Color
RYB	70, 187, 128
Decimal	8502086
CIELab	70.00, -37.98, 51.82
CIELCh	70, 64.245, 126.236
Yxy	40.7494, 0.3459, 0.5033
Android (android.graphics.Color)	4286692166 (0xFF81BB46)
YUV	156.3200, -42.5558, -23.9596
Hunter-Lab	63.8353, -33.4016, 33.3402

Details

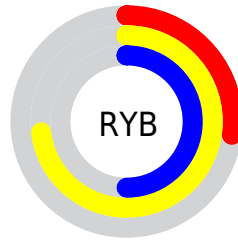
The CIELCh color **70, 64.245, 126.236** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **42, 70.645, 312.047**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 64.467, 126.316**, and **50, 63.948, 126.078** is the 20% darker color. If you saturate the color by 10%, you get **69, 72.431, 126.165**, and if you desaturate by 10%, it is **71, 54.994, 126.528**.

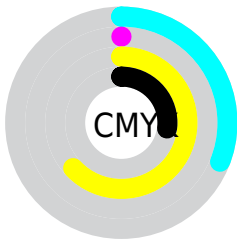
Distribution



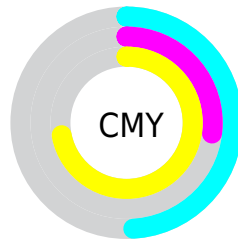
- Red (51%)
- Green (73%)
- Blue (27%)



- Red (27%)
- Yellow (73%)
- Blue (50%)



- Cyan (31%)
- Magenta (0%)
- Yellow (63%)
- Black (27%)





- Cyan (49%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 64.245, 126.236 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, 64.245, 126.236 by changing the saturation by 10% instead.

 70, 64.245,
126.236

 70, 64.245,
126.236


 100, 64.245,
126.236


 60, 64.245,
126.236


 90, 64.245,
126.236

 50, 64.245,
126.236

 40, 64.245,
126.236

 30, 64.245,
126.236

 20, 64.245,
126.236

 10, 64.245,
126.236

 0, 64.245, 126.236

■ 70, 64.245,
126.236

■ 70, 64.245,
126.236

■ 69, 72.431,
126.165

■ 71, 54.994,
126.528

■ 69, 79.096,
126.432

■ 72, 45.048,
126.941

■ 68, 83.846,
127.156

■ 72, 34.681,
127.411

■ 68, 86.368,
127.917

■ 73, 24.081,
127.896

■ 74, 13.380,
128.372

■ 76, 2.669, 128.853

■ 77, 7.988, 309.212

■ 78, 18.544,
309.600

■ 80, 28.967,
309.945

Harmonies

Complementary

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



70, 64.245, 126.236



42, 70.645, 312.047

Rectangle

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



70, 64.245, 126.236



70, 64.245, 176.236



70, 64.245, 306.236



70, 64.245, 356.236

Sweetspot

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



70, 64.246, 126.237



93, 25.073, 128.050



58, 43.470, 65.985



50, 17.393, 127.912



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 64.246, 126.237



87, 91.130, 126.217



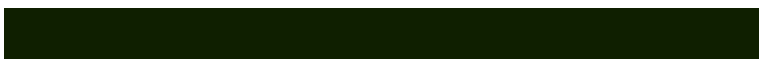
68, 73.521, 138.726



39, 6.099, 128.519



58, 76.068, 127.705



10, 19.104, 132.941

Inverse Universe

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



42, 70.645, 312.047



47, 102.328, 312.434



50, 72.774, 326.994



37, 6.182, 309.324



24, 87.266, 311.935



2, 18.065, 304.840

Previews

White Background



This preview shows how the CIELCh color 70, 64.245, 126.236 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, 64.245, 126.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

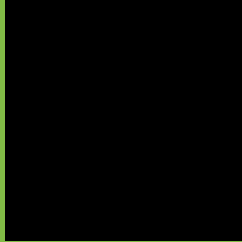
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 64.245, 126.236

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.245, 126.236.

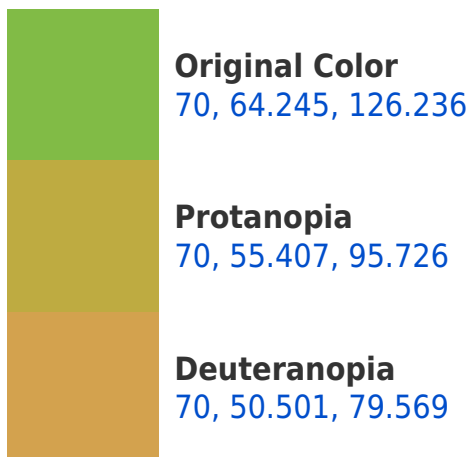


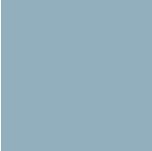
This preview shows how white text looks on a background with the CIELCh color 70, 64.245, 126.236.

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, 12.440, 237.038

Trichromacy



Original Color
70, 64.245, 126.236



Protanomaly
70, 56.425, 108.527



Deuteranomaly
69, 50.422, 99.967

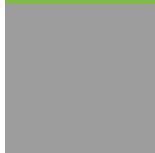


Tritanomaly
69, 23.463, 147.484

Monochromacy



Original Color
70, 64.245, 126.236



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 25.018, 127.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.245, 126.236 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(129, 187, 70)` looks like.

```
.text, #text, p{  
    color:rgb(129, 187, 70)  
}
```

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(129, 187, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 187, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.245, 126.236 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(129, 187, 70) }
```

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

```
.border{ border-color:rgb(129, 187, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 187, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 187, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 187, 70);  
box-shadow:4px 4px 4px 4px rgb(129, 187,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.245, 126.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 187, 70) }
```

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

```
.background{ background-color: rgb(129,  
187, 70) }
```

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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