

Converting Colors

CIELCh(70, 64.222, 123.332)

Have a look what the booklet for
CIELCh(70, 64.222, 123.332)
contains.

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Color

CIELCh(70, 64.249, 123.276)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 88BA42 |
| RGB | 136, 186, 66 |
| RGB Percent | 53%, 73%, 26% |
| CMY | 0.4666, 0.2705, 0.7411 |
| CMYK | 0.27, 0.00, 0.65, 0.27 |
| HSL | 85°, 48%, 49% |
| HSV | 85°, 65%, 73% |
| XYZ | 28.6989, 40.7494, 11.5083 |
| YIQ | 157.3700, 8.7200, -47.9200 |

Conversions

Conversions Part 2

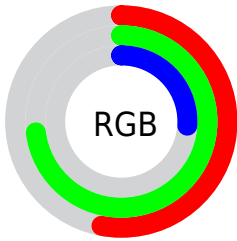
| Format | Color |
|-------------------------------------|--|
| RYB | 66, 186, 116 |
| Decimal | 8960578 |
| CIELab | 70.00, -35.25, 53.71 |
| CIELCh | 70, 64.249, 123.276 |
| Yxy | 40.7494, 0.3545, 0.5033 |
| Android (android.graphics.Color) | 4287150658 (0xFF88BA42) |
| YUV | 157.3700, -45.0454, -18.7415 |
| Hunter-Lab | 63.8353, -31.4622, 33.9958 |

Details

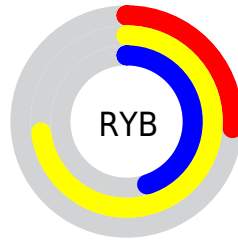
The CIELCh color **70, 64.249, 123.276** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **40, 72.474, 309.928**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 64.169, 123.239**, and **50, 63.891, 123.089** is the 20% darker color. If you saturate the color by 10%, you get **69, 71.893, 123.271**, and if you desaturate by 10%, it is **71, 55.460, 123.529**.

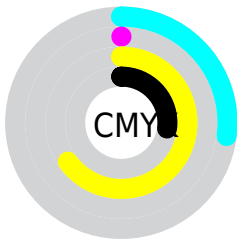
Distribution



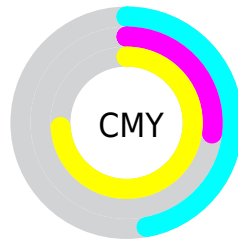
- Red (53%)
- Green (73%)
- Blue (26%)



- Red (26%)
- Yellow (73%)
- Blue (45%)



- Cyan (27%)
- Magenta (0%)
- Yellow (65%)
- Black (27%)





- Cyan (47%)
- Magenta (27%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 64.249, 123.276 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, 64.249, 123.276 by changing the saturation by 10% instead.


 70, 64.249,
123.276


 70, 64.249,
123.276


 100, 64.249,
123.276


 60, 64.249,
123.276


 90, 64.249,
123.276

 50, 64.249,
123.276

 40, 64.249,
123.276

 30, 64.249,
123.276

 20, 64.249,
123.276

 10, 64.249,
123.276

 0, 64.249, 123.276

70, 64.249,
123.276

70, 64.249,
123.276

69, 71.893,
123.271

71, 55.460,
123.529

69, 77.940,
123.630

71, 45.914,
123.928

68, 82.040,
124.460

72, 35.897,
124.402

68, 83.742,
125.025

73, 25.608,
124.907

74, 15.182,
125.413

75, 4.711, 125.913

76, 5.737, 306.340

77, 16.118,
306.778

■ 79, 26.398,
307.175

Harmonies

Complementary

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



70, 64.249, 123.276



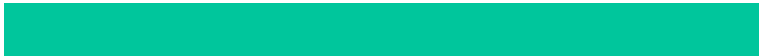
40, 72.474, 309.928

Rectangle

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



70, 64.249, 123.276



70, 64.249, 173.276



70, 64.249, 303.276



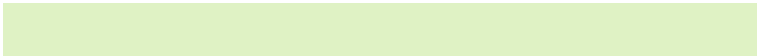
70, 64.249, 353.276

Sweetspot

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



70, 64.250, 123.277



93, 24.627, 125.171



55, 44.870, 59.403



50, 17.079, 125.025



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, 64.250, 123.277



88, 90.683, 123.356



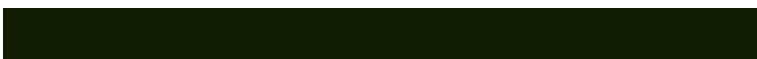
67, 73.859, 137.378



38, 5.862, 125.672



58, 73.237, 124.800



9, 16.533, 130.436

Inverse Universe

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



40, 72.474, 309.928



45, 105.283, 310.494



48, 73.674, 324.953



36, 5.954, 306.554



22, 87.658, 310.315



1, 15.770, 302.247

Previews

White Background



This preview shows how the CIELCh color 70, 64.249, 123.276 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, 64.249, 123.276 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, 64.249, 123.276

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.249, 123.276.



This preview shows how white text looks on a background with the CIELCh color 70, 64.249, 123.276.

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

70, 64.249, 123.276

Protanopia

70, 56.663, 95.778

Deuteranopia

70, 52.265, 80.210



Tritanopia
70, 10.719, 244.851

Trichromacy



Original Color
70, 64.249, 123.276

Protanomaly
69, 57.602, 107.004

Deuteranomaly
69, 52.384, 98.484

Tritanomaly
69, 22.353, 141.759

Monochromacy



Original Color
70, 64.249, 123.276

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 25.257, 125.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.249, 123.276 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(136, 186, 66)` looks like.

```
.text, #text, p{  
    color:rgb(136, 186, 66)  
}
```

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(136, 186, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 186, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.249, 123.276 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(136, 186, 66) }
```

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

```
.border{ border-color:rgb(136, 186, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 186, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 186, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 186, 66);  
box-shadow:4px 4px 4px 4px rgb(136, 186,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.249, 123.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 186, 66) }
```

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

```
.background{ background-color: rgb(136,  
186, 66) }
```

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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