

Converting Colors

CIELCh(70, 50.198, 156.295)

Have a look what the booklet for
CIELCh(70, 50.198, 156.295)
contains.

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Color

CIELCh(70, 49.891, 156.547)

Conversions

Conversions Part 1

Format	Color
Hex	4DBF85
RGB	77, 191, 133
RGB Percent	30%, 75%, 52%
CMY	0.6962, 0.2493, 0.4769
CMYK	0.60, 0.00, 0.30, 0.25
HSL	149°, 47%, 53%
HSV	149°, 60%, 75%
XYZ	26.0831, 40.7494, 28.8245
YIQ	150.3020, -49.3260, -42.2060

Conversions

Conversions Part 2

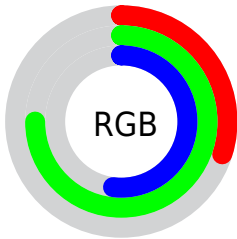
Format	Color
RYB	77, 153, 191
Decimal	5095301
CIELab	70.00, -45.77, 19.86
CIElCh	70, 49.891, 156.547
Yxy	40.7494, 0.2727, 0.4260
Android (android.graphics.Color)	4283285381 (0xFF4DBF85)
YUV	150.3020, -8.5299, -64.2859
Hunter-Lab	63.8353, -38.7766, 17.9126

Details

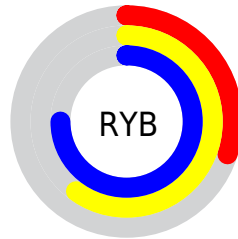
The CIELCh color **70, 49.891, 156.547** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **50, 52.500, 349.929**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 49.848, 156.334**, and **50, 49.371, 155.755** is the 20% darker color. If you saturate the color by 10%, you get **69, 56.677, 154.881**, and if you desaturate by 10%, it is **71, 42.418, 158.017**.

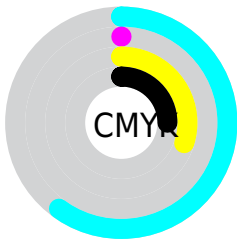
Distribution



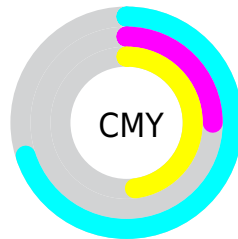
- Red (30%)
- Green (75%)
- Blue (52%)



- Red (30%)
- Yellow (60%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)





- Cyan (70%)
- Magenta (25%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 49.891, 156.547 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, 49.891, 156.547 by changing the saturation by 10% instead.


 70, 49.891,
156.547


 70, 49.891,
156.547


 100, 49.891,
156.547


 60, 49.891,
156.547

 90, 49.891,
156.547

 50, 49.891,
156.547

 40, 49.891,
156.547

 30, 49.891,
156.547

 20, 49.891,
156.547

 10, 49.891,
156.547

 0, 49.891, 156.547

70, 49.891,
156.547

70, 49.891,
156.547

69, 56.677,
154.881

71, 42.418,
158.017

69, 62.678,
153.006

72, 34.389,
159.313

68, 67.861,
150.925

73, 25.952,
160.461

68, 72.344,
148.723

74, 17.254,
161.485

68, 72.547,
148.624

76, 8.426, 162.418

78, 0.419, 342.263

79, 9.194, 343.897

81, 17.832,
344.602

■ 83, 26.286,
345.240

Harmonies

Complementary

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



70, 49.891, 156.547



50, 52.500, 349.929

Rectangle

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



70, 49.891, 156.547



70, 49.891, 206.547



70, 49.891, 336.547



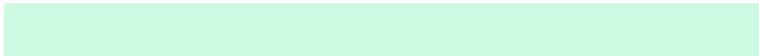
70, 49.891, 26.547

Sweetspot

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



70, 49.892, 156.547



95, 19.749, 161.605



72, 62.492, 125.861



50, 13.708, 161.319



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, 49.892, 156.547



88, 71.266, 154.410



71, 33.372, 195.079



40, 5.061, 162.433



58, 63.287, 148.950



10, 18.609, 156.096

Inverse Universe

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



50, 52.500, 349.929



60, 74.032, 352.447



48, 51.182, 26.126



38, 5.123, 343.882



34, 60.147, 0.641



3, 15.913, 351.781

Previews

White Background



This preview shows how the CIE LCh color 70, 49.891, 156.547 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, 49.891, 156.547 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, 49.891, 156.547

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.891, 156.547.

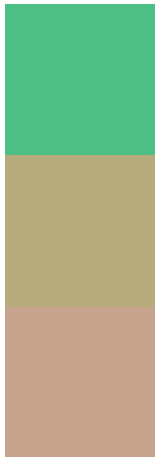


This preview shows how white text looks on a background with the CIELCh color 70, 49.891, 156.547.

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, 49.891, 156.547

Protanopia
70, 25.561, 95.347

Deuteranopia
69, 18.950, 61.383



Tritanopia
70, 26.633, 215.697

Trichromacy



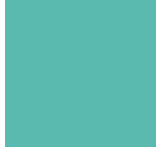
Original Color
70, 49.891, 156.547



Protanomaly
69, 30.620, 132.733



Deuteranomaly
68, 20.545, 129.667



Tritanomaly
70, 30.935, 185.643

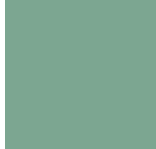
Monochromacy



Original Color
70, 49.891, 156.547



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 19.713, 161.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.891, 156.547 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(77, 191, 133)` looks like.

```
.text, #text, p{  
    color:rgb(77, 191, 133)  
}
```

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(77, 191, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 191, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.891, 156.547 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(77, 191, 133) }
```

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

```
.border{ border-color:rgb(77, 191, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 191, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 191, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 191, 133);  
box-shadow:4px 4px 4px 4px rgb(77, 191,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.891, 156.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 191, 133) }
```

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

```
.background{ background-color: rgb(77, 191,  
133) }
```

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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