

Converting Colors

CIELCh(70, 44.257, 161.113)

Have a look what the booklet for
CIELCh(70, 44.257, 161.113)
contains.

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Color

CIELCh(70, 44.052, 161.330)

Conversions

Conversions Part 1

Format	Color
Hex	53BE90
RGB	83, 190, 144
RGB Percent	33%, 75%, 56%
CMY	0.6739, 0.2544, 0.4348
CMYK	0.56, 0.00, 0.24, 0.25
HSL	154°, 45%, 54%
HSV	154°, 56%, 75%
XYZ	27.0670, 40.7494, 32.8758
YIQ	152.7630, -49.0060, -36.9900

Conversions

Conversions Part 2

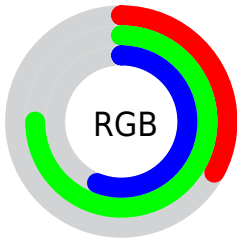
Format	Color
RYB	83, 151, 190
Decimal	5488272
CIELab	70.00, -41.73, 14.10
CIELCh	70, 44.052, 161.330
Yxy	40.7494, 0.2688, 0.4047
Android (android.graphics.Color)	4283678352 (0xFF53BE90)
YUV	152.7630, -4.3202, -61.1822
Hunter-Lab	63.8353, -36.0252, 14.1498

Details

The CIELCh color **70, 44.052, 161.330** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **50, 48.031, 354.590**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 44.123, 161.472**, and **50, 43.967, 161.486** is the 20% darker color. If you saturate the color by 10%, you get **69, 50.390, 159.729**, and if you desaturate by 10%, it is **71, 37.065, 162.748**.

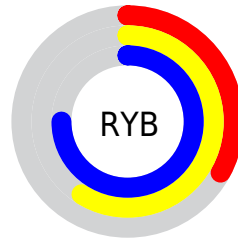
Distribution



Red (33%)

Green (75%)

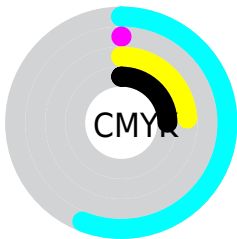
Blue (56%)



Red (33%)

Yellow (59%)

Blue (75%)

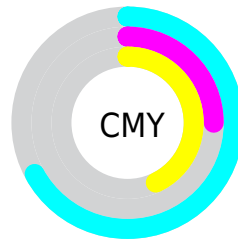


Cyan (56%)

Magenta (0%)

Yellow (24%)

Black (25%)



Cyan (67%)


Magenta (25%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 44.052, 161.330 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, 44.052, 161.330 by changing the saturation by 10% instead.


 70, 44.052,
161.330


 70, 44.052,
161.330


 100, 44.052,
161.330


 60, 44.052,
161.330


 90, 44.052,
161.330

 50, 44.052,
161.330

 40, 44.052,
161.330

 30, 44.052,
161.330

 20, 44.052,
161.330

 10, 44.052,
161.330

 0, 44.052, 161.330

70, 44.052,
161.330

70, 44.052,
161.330

69, 50.390,
159.729

71, 37.065,
162.748

69, 55.982,
157.928

72, 29.551,
164.012

68, 60.789,
155.916

73, 21.650,
165.144

68, 64.855,
153.711

74, 13.496,
166.171

68, 66.279,
152.899

76, 5.211, 167.142

78, 3.105, 347.774

79, 11.370,
348.652

81, 19.522,
349.393

■ 83, 27.518,
350.078

Harmonies

Complementary

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



70, 44.052, 161.330



50, 48.031, 354.590

Rectangle

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



70, 44.052, 161.330



70, 44.052, 211.330



70, 44.052, 341.330



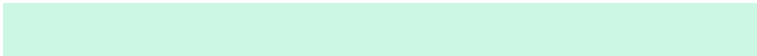
70, 44.052, 31.330

Sweetspot

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



70, 44.053, 161.329



94, 17.452, 166.071



71, 60.519, 128.830



50, 11.756, 165.868



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, 44.053, 161.329



88, 63.422, 159.241



69, 29.648, 204.837



39, 4.680, 166.841



57, 57.433, 153.248



9, 15.794, 160.208

Inverse Universe

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



50, 48.031, 354.590



60, 69.272, 357.443



51, 45.840, 30.465



37, 4.759, 348.374



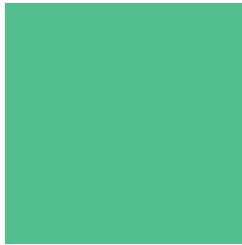
33, 59.084, 8.098



3, 13.465, 355.656

Previews

White Background



This preview shows how the CIELCh color 70, 44.052, 161.330 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 CIE LCh color 70, 44.052, 161.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

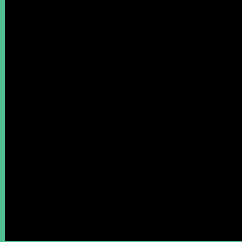
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 44.052, 161.330

Background



This preview shows how black text looks on a background with the CIELCh color 70, 44.052, 161.330.

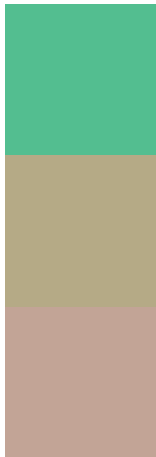


This preview shows how white text looks on a background with the CIELCh color 70, 44.052, 161.330.

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, 44.052, 161.330

Protanopia
70, 20.104, 95.207

Deuteranopia
70, 14.354, 52.215



Tritanopia
70, 26.198, 216.038

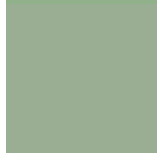
Trichromacy



Original Color
70, 44.052, 161.330



Protanomaly
69, 24.709, 138.310



Deuteranomaly
69, 16.236, 137.208

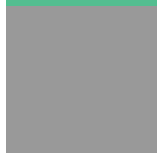


Tritanomaly
70, 29.674, 188.509

Monochromacy



Original Color
70, 44.052, 161.330



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 17.436, 165.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 44.052, 161.330 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(83, 190, 144)` looks like.

```
.text, #text, p{  
    color:rgb(83, 190, 144)  
}
```

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(83, 190, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 190, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 44.052, 161.330 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(83, 190, 144) }
```

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

```
.border{ border-color:rgb(83, 190, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 190, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 190, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 190, 144);  
box-shadow:4px 4px 4px 4px rgb(83, 190,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 44.052, 161.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 190, 144) }
```

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

```
.background{ background-color: rgb(83, 190,  
144) }
```

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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