

# Converting Colors

CIELCh(70, 27.594, 228.025)

Have a look what the booklet for  
CIELCh(70, 27.594, 228.025)  
contains.

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# Color

**CIELCh(70, 27.453, 227.990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63B6CF
RGB	99, 182, 207
RGB Percent	39%, 71%, 81%
CMY	0.6107, 0.2852, 0.1872
CMYK	0.52, 0.12, 0.00, 0.19
HSL	194°, 53%, 60%
HSV	194°, 52%, 81%
XYZ	33.2527, 40.7494, 65.3155
YIQ	160.0330, -57.4930, -9.8210

# Conversions

## Conversions Part 2

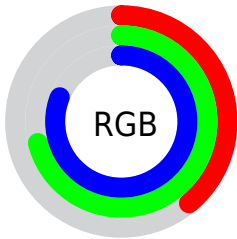
Format	Color
R <sub>Y</sub> B	99, 146, 207
Decimal	6534863
CIE Lab	70.00, -18.37, -20.40
CIE LCh	70, 27.453, 227.990
Yxy	40.7494, 0.2387, 0.2925
Android (android.graphics.Color)	4284724943 (0xFF63B6CF)
YUV	160.0330, 23.1547, -53.5259
Hunter-Lab	63.8353, -18.7285, -15.9801

# Details

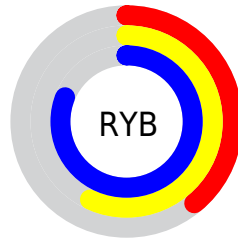
The CIELCh color **70, 27.453, 227.990** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61, 40.358, 42.705**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 26.252, 217.777**, and **50, 27.524, 228.382** is the 20% darker color. If you saturate the color by 10%, you get **68, 30.986, 229.955**, and if you desaturate by 10%, it is **72, 23.250, 226.467**.

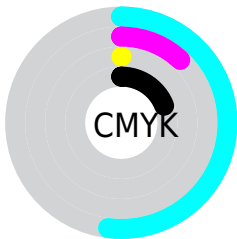
# Distribution



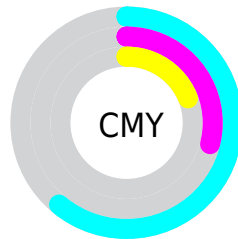
- Red (39%)
- Green (71%)
- Blue (81%)



- Red (39%)
- Yellow (57%)
- Blue (81%)



- Cyan (52%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)




- Cyan (61%)
- Magenta (29%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 27.453, 227.990 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, 27.453, 227.990 by changing the saturation by 10% instead.





 70, 27.453,  
227.990


 70, 27.453,  
227.990


 100, 27.453,  
227.990


 60, 27.453,  
227.990


 90, 27.453,  
227.990

 50, 27.453,  
227.990

 40, 27.453,  
227.990

 30, 27.453,  
227.990

 20, 27.453,  
227.990

 10, 27.453,  
227.990

 0, 27.453, 227.990

70, 27.453,  
227.990

70, 27.453,  
227.990

68, 30.986,  
229.955

72, 23.250,  
226.467

66, 33.814,  
232.458

75, 18.448,  
225.307

64, 35.956,  
235.582

77, 13.133,  
224.440

62, 37.502,  
239.382

80, 7.394, 223.821

61, 38.478,  
242.752

83, 1.315, 223.690

85, 5.028, 42.828

88, 11.570, 42.662

90, 14.707, 48.099

92, 14.589, 59.763



# Harmonies

# Complementary

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



70, 27.453, 227.990



61, 40.358, 42.705

# Rectangle

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



70, 27.453, 227.990



70, 27.453, 277.990



70, 27.453, 47.990



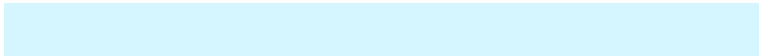
70, 27.453, 97.990

# Sweetspot

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



70, 27.452, 227.988



95, 11.444, 224.046



75, 59.106, 146.339



50, 7.681, 224.175



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



70, 27.452, 227.988



82, 36.832, 230.331



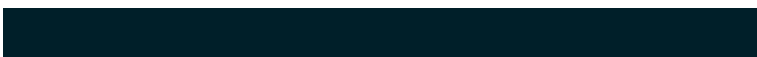
55, 44.745, 284.317



43, 3.516, 223.699



50, 32.855, 242.035



10, 12.237, 232.375



# Inverse Universe

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



58, 58.368, 335.316



65, 80.377, 336.288



73, 43.388, 88.207



41, 6.547, 332.226



38, 70.925, 340.037



5, 26.014, 337.209



# Previews

## White Background



This preview shows how the CIELCh color 70, 27.453, 227.990 looks on a white background.

## Color Contrast Check

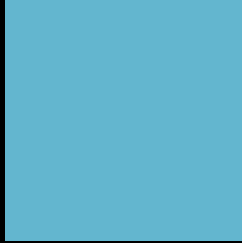
Large Text (above 18pt) WCAG AA × Fail

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, 27.453, 227.990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

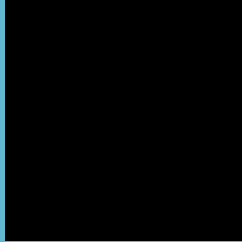
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

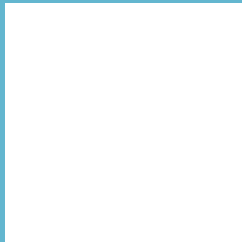
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 27.453, 227.990

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 27.453, 227.990.



This preview shows how white text looks on a background with the CIELCh color 70, 27.453, 227.990.

# 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





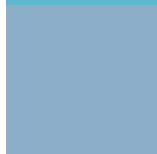


**Tritanopia**  
70, 27.284, 215.194

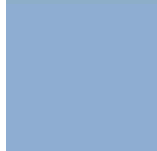
# Trichromacy



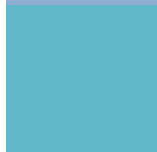
**Original Color**  
70, 27.453, 227.990



**Protanomaly**  
70, 18.072, 254.276



**Deuteranomaly**  
70, 22.266, 265.309

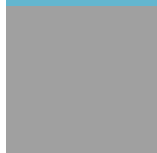


**Tritanomaly**  
70, 27.196, 220.327

# Monochromacy



**Original Color**  
70, 27.453, 227.990



**Achromatopsia**  
66, 0.008, 296.813



**Achromatomaly**  
67, 11.529, 224.316

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 27.453, 227.990 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(99, 182, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 182, 207)  
}
```

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(99, 182, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 182, 207) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 27.453, 227.990 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(99, 182, 207) }
```

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

```
.border{ border-color:rgb(99, 182, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 182, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 182, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 182, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 182,  
207) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 27.453, 227.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 182, 207) }
```

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

```
.background{ background-color: rgb(99, 182,  
207) }
```

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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