

Converting Colors

CIELCh(70, 32.093, 238.668)

Have a look what the booklet for
CIELCh(70, 32.093, 238.668)
contains.

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Color

CIELCh(70, 32.166, 238.624)

Conversions

Conversions Part 1

Format	Color
Hex	58B6DC
RGB	88, 182, 220
RGB Percent	35%, 71%, 86%
CMY	0.6544, 0.2859, 0.1368
CMYK	0.60, 0.17, 0.00, 0.14
HSL	197°, 65%, 60%
HSV	197°, 60%, 86%
XYZ	33.7152, 40.7494, 73.8701
YIQ	158.2260, -68.2220, -8.1100

Conversions

Conversions Part 2

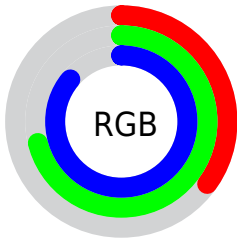
Format	Color
R_{YB}	88, 143, 220
Decimal	5813980
CIE _{Lab}	70.00, -16.75, -27.46
CIE _{LCh}	70, 32.166, 238.624
Yxy	40.7494, 0.2273, 0.2747
Android (android.graphics.Color)	4284004060 (0xFF58B6DC)
YUV	158.2260, 30.4546, -61.5882
Hunter-Lab	63.8353, -17.4352, -23.9256

Details

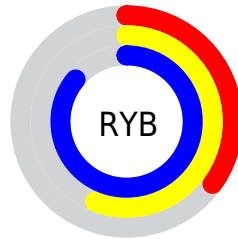
The CIELCh color **70, 32.166, 238.624** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **62, 48.956, 47.812**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 28.157, 216.279**, and **50, 32.032, 239.116** is the 20% darker color. If you saturate the color by 10%, you get **67, 35.671, 241.597**, and if you desaturate by 10%, it is **73, 28.044, 236.239**.

Distribution



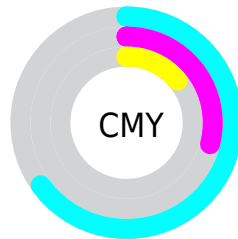
- Red (35%)
- Green (71%)
- Blue (86%)



- Red (35%)
- Yellow (56%)
- Blue (86%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)





- Cyan (65%)
- Magenta (29%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.166, 238.624 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, 32.166, 238.624 by changing the saturation by 10% instead.


 70, 32.166,
238.624


 70, 32.166,
238.624


 100, 32.166,
238.624


 60, 32.166,
238.624


 90, 32.166,
238.624

 50, 32.166,
238.624

 40, 32.166,
238.624

 30, 32.166,
238.624

 20, 32.166,
238.624

 10, 32.166,
238.624

 0, 32.166, 238.624

70, 32.166,
238.624

70, 32.166,
238.624

67, 35.671,
241.597

73, 28.044,
236.239

65, 38.591,
245.237

75, 23.333,
234.350

63, 41.030,
249.575

78, 18.094,
232.868

61, 43.219,
254.444

81, 12.403,
231.717

61, 43.227,
254.461

85, 6.340, 230.851

88, 0.021, 22.642

91, 6.606, 49.427

94, 10.464, 58.187

95, 11.348, 78.398

Harmonies

Complementary

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



70, 32.166, 238.624



62, 48.956, 47.812

Rectangle

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



70, 32.166, 238.624



70, 32.166, 288.624



70, 32.166, 58.624



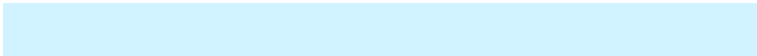
70, 32.166, 108.624

Sweetspot

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



70, 32.165, 238.623



94, 12.659, 231.539



79, 66.856, 147.520



49, 8.730, 231.831



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, 32.165, 238.623



77, 40.783, 242.487



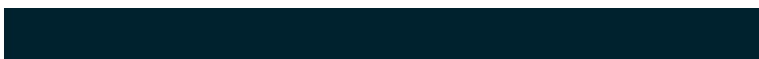
52, 59.936, 290.457



44, 3.605, 230.813



49, 35.930, 253.575



11, 13.581, 243.586

Inverse Universe

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



58, 66.364, 338.604



62, 84.675, 340.004



78, 54.766, 92.019



43, 6.541, 334.407



39, 69.732, 343.908



6, 28.252, 340.573

Previews

White Background



This preview shows how the CIE LCh color 70, 32.166, 238.624 looks on a white background.

Color Contrast Check

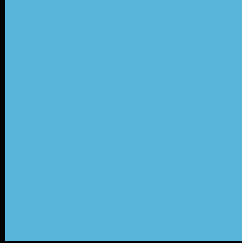
Large Text (above 18pt) WCAG AA × Fail

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, 32.166, 238.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

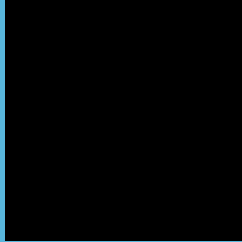
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 32.166, 238.624

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.166, 238.624.

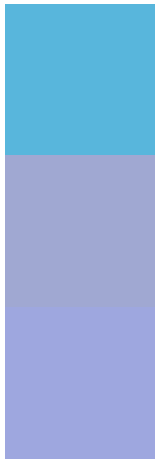


This preview shows how white text looks on a background with the CIELCh color 70, 32.166, 238.624.

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, 32.166, 238.624

Protanopia

70, 23.128, 285.808

Deuteranopia

70, 30.770, 287.791



Tritanopia
70, 30.819, 213.953

Trichromacy



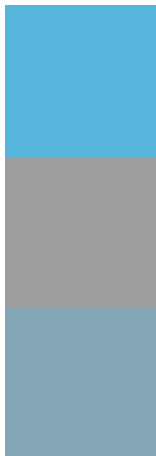
Original Color
70, 32.166, 238.624

Protanomaly
69, 25.138, 263.088

Deuteranomaly
69, 29.406, 268.825

Tritanomaly
70, 30.745, 223.046

Monochromacy



Original Color
70, 32.166, 238.624

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 13.815, 232.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.166, 238.624 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(88, 182, 220)` looks like.

```
.text, #text, p{  
    color:rgb(88, 182, 220)  
}
```

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(88, 182, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 182, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.166, 238.624 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(88, 182, 220) }
```

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

```
.border{ border-color:rgb(88, 182, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 182, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 182, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 182, 220);  
box-shadow:4px 4px 4px 4px rgb(88, 182,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.166, 238.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 182, 220) }
```

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

```
.background{ background-color: rgb(88, 182,  
220) }
```

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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