

Converting Colors

CIELCh(70, 32.843, 242.575)

Have a look what the booklet for
CIELCh(70, 32.843, 242.575)
contains.

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Color

CIELCh(70, 32.850, 242.952)

Conversions

Conversions Part 1

Format	Color
Hex	5AB5DF
RGB	90, 181, 223
RGB Percent	35%, 71%, 87%
CMY	0.6453, 0.2887, 0.1239
CMYK	0.60, 0.19, 0.00, 0.12
HSL	199°, 68%, 62%
HSV	199°, 60%, 88%
XYZ	34.2349, 40.7494, 76.1565
YIQ	158.5790, -67.7180, -6.2300

Conversions

Conversions Part 2

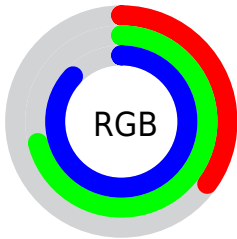
Format	Color
R _Y B	90, 144, 223
Decimal	5944799
CIE Lab	70.00, -14.94, -29.26
CIE LCh	70, 32.850, 242.952
Yxy	40.7494, 0.2265, 0.2696
Android (android.graphics.Color)	4284134879 (0xFF5AB5DF)
YUV	158.5790, 31.7596, -60.1438
Hunter-Lab	63.8353, -15.9821, -26.0492

Details

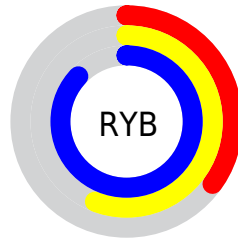
The CIELCh color **70, 32.850, 242.952** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **64, 48.578, 50.327**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 27.544, 217.927**, and **50, 32.976, 243.463** is the 20% darker color. If you saturate the color by 10%, you get **67, 36.685, 246.122**, and if you desaturate by 10%, it is **73, 28.459, 240.382**.

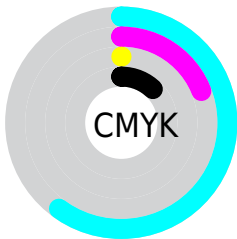
Distribution



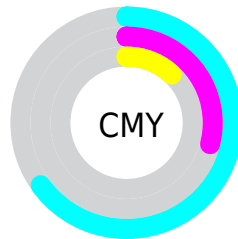
- Red (35%)
- Green (71%)
- Blue (87%)



- Red (35%)
- Yellow (56%)
- Blue (87%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (12%)





- Cyan (65%)
- Magenta (29%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.850, 242.952 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, 32.850, 242.952 by changing the saturation by 10% instead.


 70, 32.850,
242.952


 70, 32.850,
242.952


 100, 32.850,
242.952


 60, 32.850,
242.952


 90, 32.850,
242.952

 50, 32.850,
242.952

 40, 32.850,
242.952

 30, 32.850,
242.952

 20, 32.850,
242.952

 10, 32.850,
242.952

 0, 32.850, 242.952

70, 32.850,
242.952

70, 32.850,
242.952

67, 36.685,
246.122

73, 28.459,
240.382

65, 40.005,
249.961

76, 23.532,
238.325

62, 42.921,
254.478

79, 18.120,
236.690

60, 45.654,
259.498

82, 12.294,
235.402

60, 45.791,
259.738

86, 6.126, 234.413

89, 0.314, 51.784

93, 6.961, 52.776

95, 9.700, 69.208

97, 11.558, 90.690

Harmonies

Complementary

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



70, 32.850, 242.952



64, 48.578, 50.327

Rectangle

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



70, 32.850, 242.952



70, 32.850, 292.952



70, 32.850, 62.952



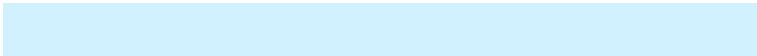
70, 32.850, 112.952

Sweetspot

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



70, 32.849, 242.952



93, 12.665, 235.248



80, 66.342, 148.190



49, 8.740, 235.582



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, 32.849, 242.952



75, 41.322, 246.838



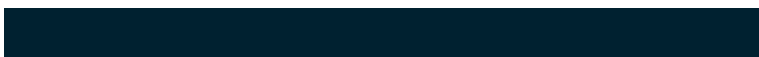
52, 61.520, 291.234



45, 3.670, 234.408



48, 37.985, 258.843



11, 14.460, 249.043

Inverse Universe

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



59, 65.578, 339.956



62, 82.522, 341.410



80, 55.736, 93.224



44, 6.533, 335.563



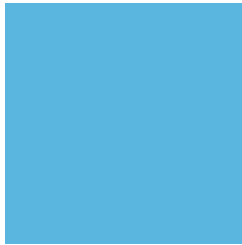
39, 69.235, 345.998



7, 29.087, 342.335

Previews

White Background



This preview shows how the CIELCh color 70, 32.850, 242.952 looks on a white background.

Color Contrast Check

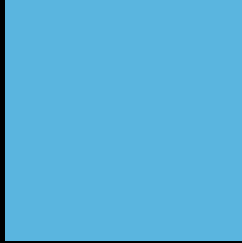
Large Text (above 18pt) WCAG AA × Fail

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, 32.850, 242.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

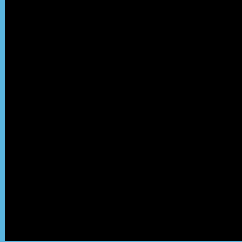
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 32.850, 242.952

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.850, 242.952.

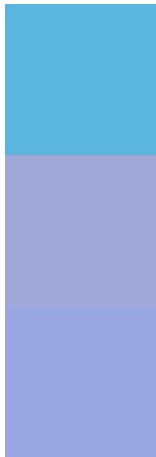


This preview shows how white text looks on a background with the CIELCh color 70, 32.850, 242.952.

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

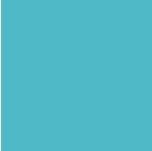
70, 32.850, 242.952

Protanopia

70, 25.324, 285.920

Deuteranopia

70, 32.467, 286.620



Tritanopia
70, 30.611, 212.985

Trichromacy



Original Color
70, 32.850, 242.952



Protanomaly
69, 26.528, 265.175



Deuteranomaly
69, 30.959, 269.914



Tritanomaly
70, 30.541, 224.424

Monochromacy



Original Color
70, 32.850, 242.952



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 13.831, 235.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.850, 242.952 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(90, 181, 223)` looks like.

```
.text, #text, p{  
    color:rgb(90, 181, 223)  
}
```

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(90, 181, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 181, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.850, 242.952 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(90, 181, 223) }
```

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

```
.border{ border-color:rgb(90, 181, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 181, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 181, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 181, 223);  
box-shadow:4px 4px 4px 4px rgb(90, 181,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.850, 242.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 181, 223) }
```

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

```
.background{ background-color: rgb(90, 181,  
223) }
```

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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