

Converting Colors

CIELCh(69, 30.844, 232.718)

Have a look what the booklet for
CIELCh(69, 30.844, 232.718)
contains.

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Color

CIELCh(69, 30.870, 232.792)

Conversions

Conversions Part 1

Format	Color
Hex	55B4D4
RGB	85, 180, 212
RGB Percent	33%, 71%, 83%
CMY	0.6665, 0.2940, 0.1685
CMYK	0.60, 0.15, 0.00, 0.17
HSL	195°, 60%, 58%
HSV	195°, 60%, 83%
XYZ	31.9659, 39.3444, 68.2196
YIQ	155.2430, -66.8920, -10.1880

Conversions

Conversions Part 2

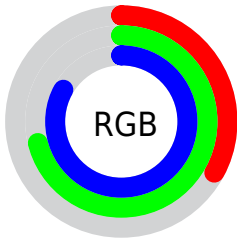
Format	Color
R_{YB}	85, 139, 212
Decimal	5616852
CIE _{Lab}	69.00, -18.67, -24.59
CIE _{LCh}	69, 30.870, 232.792
Yxy	39.3444, 0.2291, 0.2820
Android (android.graphics.Color)	4283806932 (0xFF55B4D4)
YUV	155.2430, 27.9812, -61.6031
Hunter-Lab	62.7251, -18.8019, -20.5761

Details

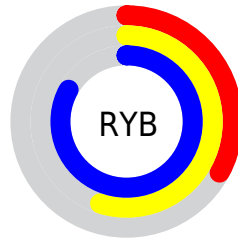
The CIELCh color **69, 30.870, 232.792** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **59, 48.182, 44.715**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 28.564, 218.277**, and **49, 30.436, 233.103** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.020, 235.399**, and if you desaturate by 10%, it is **71, 27.044, 230.730**.

Distribution



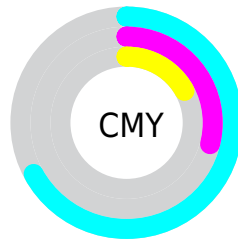
- Red (33%)
- Green (71%)
- Blue (83%)



- Red (33%)
- Yellow (55%)
- Blue (83%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)





- Cyan (67%)
- Magenta (29%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 30.870, 232.792 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 69, 30.870, 232.792 by changing the saturation by 10% instead.


 69, 30.870,
232.792


 69, 30.870,
232.792


 100, 30.870,
232.792


 59, 30.870,
232.792


 89, 30.870,
232.792

 49, 30.870,
232.792

 99, 30.870,
232.792

 39, 30.870,
232.792

 29, 30.870,
232.792

 19, 30.870,
232.792

 9, 30.870, 232.792

 0, 30.870, 232.792

69, 30.870,
232.792

69, 30.870,
232.792

67, 34.020,
235.399

71, 27.044,
230.730

65, 36.510,
238.643

74, 22.583,
229.124

63, 38.423,
242.576

76, 17.557,
227.888

61, 39.982,
247.082

79, 12.051,
226.952

61, 40.000,
247.131

82, 6.149, 226.277

85, 0.067, 37.367

88, 6.524, 45.168

91, 13.164, 44.923

92, 13.038, 59.157

Harmonies

Complementary

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



69, 30.870, 232.792



59, 48.182, 44.715

Rectangle

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



69, 30.870, 232.792



69, 30.870, 282.792



69, 30.870, 52.792



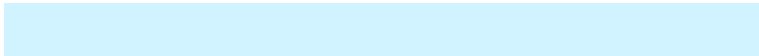
69, 30.870, 102.792

Sweetspot

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



69, 30.869, 232.791



94, 12.726, 226.819



76, 66.494, 146.377



49, 8.770, 227.054



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 30.869, 232.791



78, 39.998, 236.262



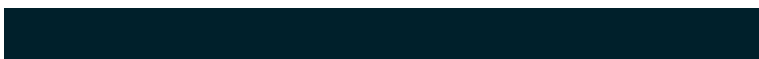
51, 55.474, 288.518



44, 3.562, 226.252



50, 33.910, 246.358



11, 12.796, 236.621

Inverse Universe

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



56, 65.864, 336.885



62, 86.651, 338.133



74, 51.813, 89.639



42, 6.582, 332.996



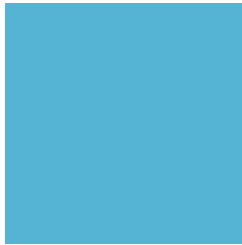
38, 70.679, 341.396



6, 27.385, 338.464

Previews

White Background



This preview shows how the CIELCh color 69, 30.870, 232.792 looks on a white background.

Color Contrast Check

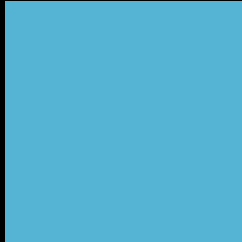
Large Text (above 18pt) WCAG AA × Fail

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 69, 30.870, 232.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

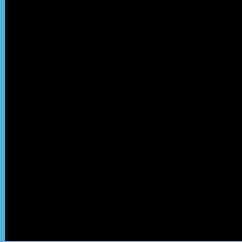
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 30.870, 232.792

Background



This preview shows how black text looks on a background with the CIELCh color 69, 30.870, 232.792.

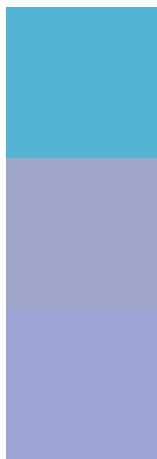


This preview shows how white text looks on a background with the CIELCh color 69, 30.870, 232.792.

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

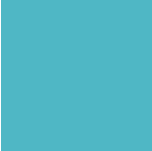
69, 30.870, 232.792

Protanopia

69, 19.886, 285.267

Deuteranopia

69, 28.089, 288.950

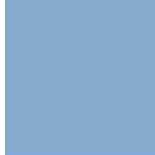


Tritanopia
69, 30.353, 212.054

Trichromacy



Original Color
69, 30.870, 232.792



Protanomaly
68, 22.493, 258.274



Deuteranomaly
68, 26.591, 265.292



Tritanomaly
69, 30.113, 218.999

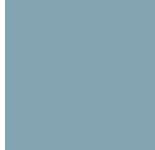
Monochromacy



Original Color
69, 30.870, 232.792



Achromatopsia
64, 0.008, 296.813



Achromatomaly
65, 13.350, 228.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 30.870, 232.792 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(85, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(85, 180, 212)  
}
```

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(85, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 180, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 30.870, 232.792 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(85, 180, 212) }
```

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

```
.border{ border-color:rgb(85, 180, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 180, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(85, 180,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 30.870, 232.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 180, 212) }
```

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

```
.background{ background-color: rgb(85, 180,  
212) }
```

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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