

Converting Colors

CIELCh(70, 31.549, 234.981)

Have a look what the booklet for
CIELCh(70, 31.549, 234.981)
contains.

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Color

CIELCh(70, 31.506, 234.357)

Conversions

Conversions Part 1

Format	Color
Hex	57B7D9
RGB	87, 183, 217
RGB Percent	34%, 72%, 85%
CMY	0.6601, 0.2835, 0.1502
CMYK	0.60, 0.16, 0.00, 0.15
HSL	196°, 63%, 59%
HSV	196°, 60%, 85%
XYZ	33.2566, 40.7494, 71.5511
YIQ	158.1720, -68.1300, -9.7780

Conversions

Conversions Part 2

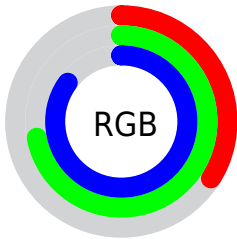
Format	Color
R_{YB}	87, 142, 217
Decimal	5748697
CIE _{Lab}	70.00, -18.36, -25.60
CIE _{LCh}	70, 31.506, 234.357
Yxy	40.7494, 0.2285, 0.2800
Android (android.graphics.Color)	4283938777 (0xFF57B7D9)
YUV	158.1720, 29.0022, -62.4178
Hunter-Lab	63.8353, -18.7177, -21.7718

Details

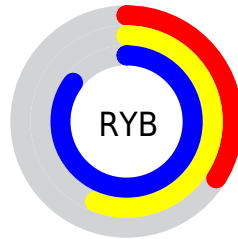
The CIELCh color **70, 31.506, 234.357** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **61, 48.946, 45.517**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 28.551, 214.862**, and **50, 31.229, 234.604** is the 20% darker color. If you saturate the color by 10%, you get **68, 34.762, 237.077**, and if you desaturate by 10%, it is **72, 27.581, 232.198**.

Distribution



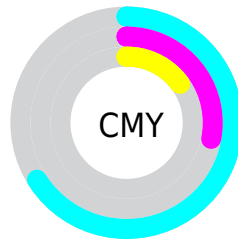
- Red (34%)
- Green (72%)
- Blue (85%)



- Red (34%)
- Yellow (56%)
- Blue (85%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)





- Cyan (66%)
- Magenta (28%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 31.506, 234.357 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, 31.506, 234.357 by changing the saturation by 10% instead.


 70, 31.506,
234.357


 70, 31.506,
234.357


 100, 31.506,
234.357


 60, 31.506,
234.357


 90, 31.506,
234.357

 50, 31.506,
234.357

 40, 31.506,
234.357

 30, 31.506,
234.357

 20, 31.506,
234.357

 10, 31.506,
234.357

 0, 31.506, 234.357

70, 31.506,
234.357

70, 31.506,
234.357

68, 34.762,
237.077

72, 27.581,
232.198

66, 37.370,
240.446

75, 23.025,
230.508

64, 39.421,
244.512

78, 17.906,
229.201

62, 41.145,
249.140

81, 12.307,
228.203

84, 6.314, 227.473

87, 0.012, 282.652

90, 6.543, 46.277

92, 11.588, 50.039

94, 11.771, 67.322

Harmonies

Complementary

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



70, 31.506, 234.357



61, 48.946, 45.517

Rectangle

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



70, 31.506, 234.357



70, 31.506, 284.357



70, 31.506, 54.357



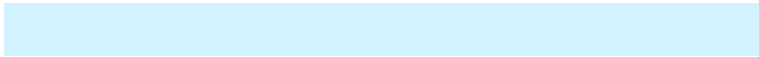
70, 31.506, 104.357

Sweetspot

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



70, 31.505, 234.356



94, 12.700, 228.049



78, 67.779, 146.349



49, 8.754, 228.299



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, 31.505, 234.356



78, 40.160, 237.906



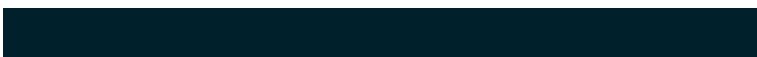
52, 56.586, 288.572



44, 3.553, 227.440



49, 34.282, 248.280



11, 12.855, 238.282

Inverse Universe

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



57, 66.708, 337.339



62, 86.123, 338.613



76, 52.826, 89.612



42, 6.538, 333.358



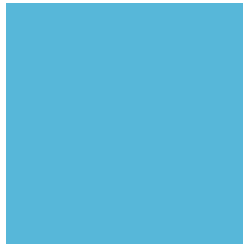
38, 70.221, 342.032



6, 27.199, 338.961

Previews

White Background



This preview shows how the CIELCh color 70, 31.506, 234.357 looks on a white background.

Color Contrast Check

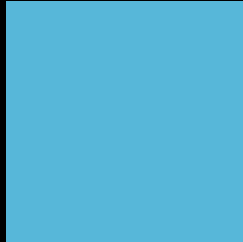
Large Text (above 18pt) WCAG AA × Fail

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, 31.506, 234.357 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, 31.506, 234.357

Background



This preview shows how black text looks on a background with the CIELCh color 70, 31.506, 234.357.

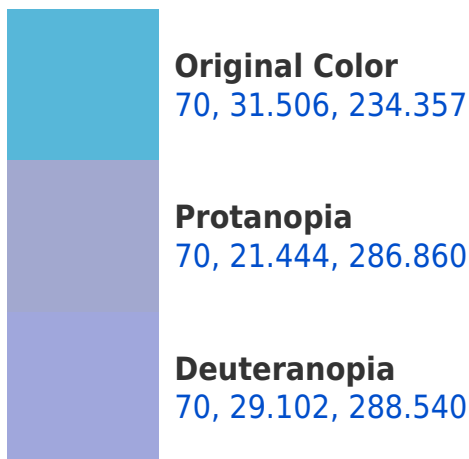


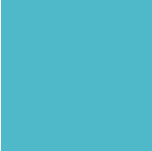
This preview shows how white text looks on a background with the CIELCh color 70, 31.506, 234.357.

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](#).

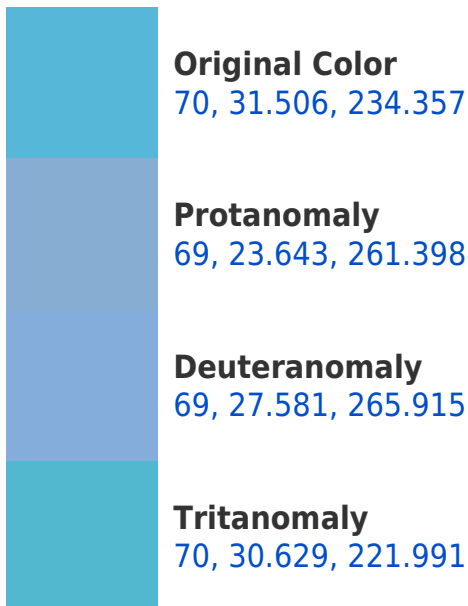
Dichromacy



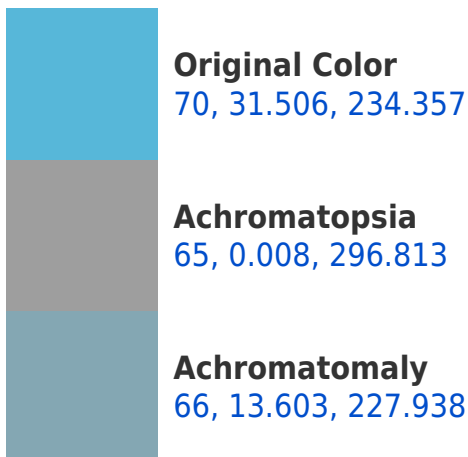


Tritanopia
70, 30.644, 214.062

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 31.506, 234.357 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(87, 183, 217)` looks like.

```
.text, #text, p{  
    color:rgb(87, 183, 217)  
}
```

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(87, 183, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 183, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 31.506, 234.357 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(87, 183, 217) }
```

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

```
.border{ border-color:rgb(87, 183, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 183, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 183, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 183, 217); box-shadow:4px 4px 4px 4px rgb(87, 183, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 31.506, 234.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 183, 217) }
```

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

```
.background{ background-color: rgb(87, 183,  
217) }
```

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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