

Converting Colors

CIELCh(67, 30.837, 236.740)

Have a look what the booklet for
CIELCh(67, 30.837, 236.740)
contains.

CIELCh(67, 30.863, 237.031)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 30.863, 237.031)

Conversions

Conversions Part 1

Format	Color
Hex	53AED1
RGB	83, 174, 209
RGB Percent	33%, 68%, 82%
CMY	0.6753, 0.3183, 0.1811
CMYK	0.60, 0.17, 0.00, 0.18
HSL	197°, 58%, 57%
HSV	197°, 60%, 82%
XYZ	30.1406, 36.6320, 65.6905
YIQ	150.7810, -65.4710, -8.4070

Conversions

Conversions Part 2

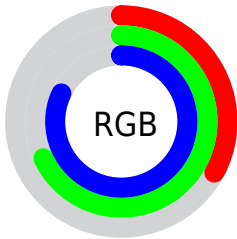
Format	Color
RYB	83, 136, 209
Decimal	5484241
CIELab	67.00, -16.80, -25.89
CIELCh	67, 30.863, 237.031
Yxy	36.6320, 0.2275, 0.2765
Android (android.graphics.Color)	4283674321 (0xFF53AED1)
YUV	150.7810, 28.7020, -59.4439
Hunter-Lab	60.5244, -17.0262, -21.9838

Details

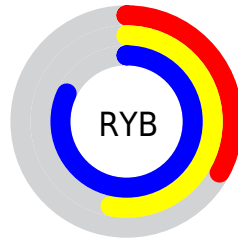
The CIELCh color **67, 30.863, 237.031** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **59, 47.445, 46.918**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 28.447, 225.570**, and **47, 30.228, 236.635** is the 20% darker color. If you saturate the color by 10%, you get **65, 34.129, 239.913**, and if you desaturate by 10%, it is **69, 26.984, 234.726**.

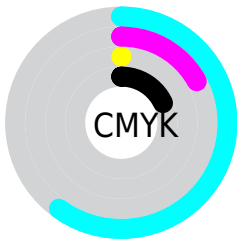
Distribution



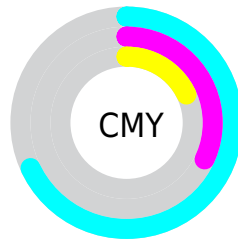
- Red (33%)
- Green (68%)
- Blue (82%)



- Red (33%)
- Yellow (53%)
- Blue (82%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)



- Cyan (68%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 30.863, 237.031 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 67, 30.863, 237.031 by changing the saturation by 10% instead.

■ 67, 30.863,
237.031

■ 67, 30.863,
237.031

■ 100, 30.863,
237.031

■ 57, 30.863,
237.031

■ 87, 30.863,
237.031

■ 47, 30.863,
237.031

■ 97, 30.863,
237.031

■ 37, 30.863,
237.031

■ 27, 30.863,
237.031

■ 17, 30.863,
237.031

■ 7, 30.863, 237.031

■ 0, 30.863, 237.031

67, 30.863,
237.031

67, 30.863,
237.031

65, 34.129,
239.913

69, 26.984,
234.726

63, 36.811,
243.456

72, 22.523,
232.907

60, 39.004,
247.694

75, 17.539,
231.485

59, 40.874,
252.285

78, 12.109,
230.387

81, 6.310, 229.566

84, 0.218, 231.259

87, 6.101, 48.219

90, 12.590, 47.875

92, 14.069, 58.812

Harmonies

Complementary

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



67, 30.863, 237.031



59, 47.445, 46.918

Rectangle

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



67, 30.863, 237.031



67, 30.863, 287.031



67, 30.863, 57.031



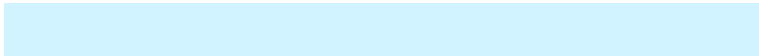
67, 30.863, 107.031

Sweetspot

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



67, 30.862, 237.030



94, 12.669, 230.188



75, 65.278, 146.898



49, 8.735, 230.465



0, 0.000, 0.000



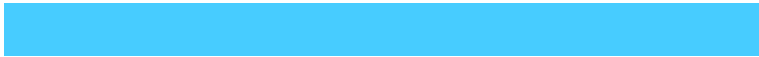
53, 0.007, 296.813

Same Dimension

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



67, 30.862, 237.030



77, 40.514, 240.730



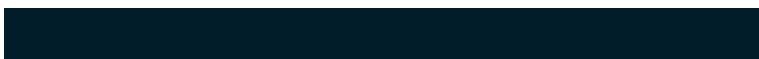
50, 56.519, 289.587



43, 3.472, 229.504



48, 34.608, 251.464



9, 12.484, 240.404

Inverse Universe

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



55, 64.370, 338.128



62, 85.228, 339.460



74, 52.156, 90.806



41, 6.335, 333.994



37, 68.701, 343.136



5, 25.116, 339.663

Previews

White Background



This preview shows how the CIELCh color 67, 30.863, 237.031 looks on a white background.

Color Contrast Check

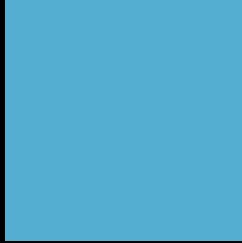
Large Text (above 18pt) WCAG AA × Fail

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 67, 30.863, 237.031 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 67, 30.863, 237.031

Background



This preview shows how black text looks on a background with the CIELCh color 67, 30.863, 237.031.



This preview shows how white text looks on a background with the CIELCh color 67, 30.863, 237.031.

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](#).

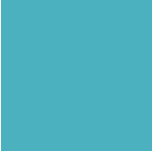
Dichromacy



Original Color
67, 30.863, 237.031

Protanopia
67, 21.660, 286.098

Deuteranopia
67, 29.377, 288.075



Tritanopia
67, 29.829, 212.410

Trichromacy



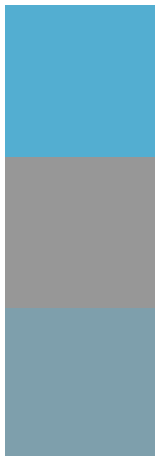
Original Color
67, 30.863, 237.031

Protanomaly
66, 23.791, 261.696

Deuteranomaly
66, 28.047, 267.969

Tritanomaly
67, 29.540, 220.786

Monochromacy



Original Color
67, 30.863, 237.031

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 13.360, 231.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 30.863, 237.031 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(83, 174, 209)` looks like.

```
.text, #text, p{  
    color:rgb(83, 174, 209)  
}
```

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(83, 174, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 174, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 30.863, 237.031 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(83, 174, 209) }
```

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

```
.border{ border-color:rgb(83, 174, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 174, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 174, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 174, 209);  
box-shadow:4px 4px 4px 4px rgb(83, 174,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 30.863, 237.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 174, 209) }
```

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

```
.background{ background-color: rgb(83, 174,  
209) }
```

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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