

Converting Colors

CIELCh(67, 37.291, 253.491)

Have a look what the booklet for
CIELCh(67, 37.291, 253.491)
contains.

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Color

CIELCh(67, 37.291, 253.491)

Conversions

Conversions Part 1

Format	Color
Hex	50ACE3
RGB	80, 172, 227
RGB Percent	31%, 67%, 89%
CMY	0.6875, 0.3265, 0.1108
CMYK	0.65, 0.24, 0.00, 0.11
HSL	202°, 72%, 60%
HSV	202°, 65%, 89%
XYZ	31.8144, 36.6320, 77.8734
YIQ	150.7620, -72.4870, -2.3990

Conversions

Conversions Part 2

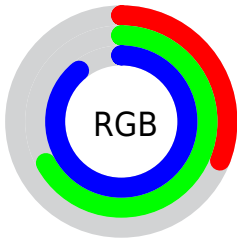
Format	Color
R_{YB}	80, 137, 227
Decimal	5287139
CIE _{Lab}	67.00, -10.60, -35.75
CIE _{LCh}	67, 37.291, 253.491
Yxy	36.6320, 0.2174, 0.2504
Android (android.graphics.Color)	4283477219 (0xFF50ACE3)
YUV	150.7620, 37.5853, -62.0583
Hunter-Lab	60.5244, -12.0897, -33.9181

Details

The CIELCh color **67, 37.291, 253.491** 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 **65, 53.563, 55.344**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 28.555, 229.238**, and **47, 36.101, 255.472** is the 20% darker color. If you saturate the color by 10%, you get **64, 41.641, 257.307**, and if you desaturate by 10%, it is **70, 32.552, 250.298**.

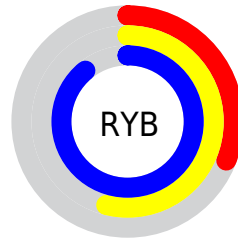
Distribution



Red (31%)

Green (67%)

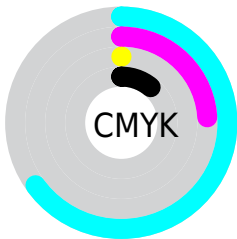
Blue (89%)



Red (31%)

Yellow (54%)

Blue (89%)

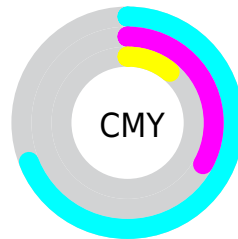


Cyan (65%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (69%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 37.291, 253.491 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, 37.291, 253.491 by changing the saturation by 10% instead.

■ 67, 37.291,
253.491

■ 67, 37.291,
253.491

■ 100, 37.291,
253.491

■ 57, 37.291,
253.491

■ 87, 37.291,
253.491

■ 47, 37.291,
253.491

■ 97, 37.291,
253.491

■ 37, 37.291,
253.491

■ 27, 37.291,
253.491

■ 17, 37.291,
253.491

■ 7, 37.291, 253.491

■ 0, 37.291, 253.491

67, 37.291,
253.491

67, 37.291,
253.491

64, 41.641,
257.307

70, 32.552,
250.298

61, 45.700,
261.749

74, 27.395,
247.671

58, 49.624,
266.719

77, 21.835,
245.531

57, 51.687,
269.326

81, 15.914,
243.798

85, 9.688, 242.402

88, 3.217, 241.354

92, 3.445, 60.105

96, 8.633, 68.982

98, 11.121, 96.183

Harmonies

Complementary

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



67, 37.291, 253.491



65, 53.563, 55.344

Rectangle

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



67, 37.291, 253.491



67, 37.291, 303.491



67, 37.291, 73.491



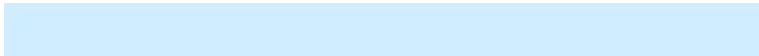
67, 37.291, 123.491

Sweetspot

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



67, 37.290, 253.491



92, 13.531, 242.960



81, 68.424, 149.933



48, 9.263, 243.368



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, 37.290, 253.491



70, 47.160, 258.861



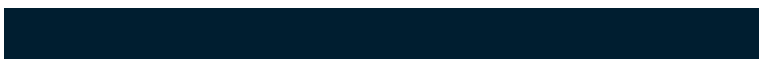
47, 74.641, 295.844



45, 3.706, 241.778



45, 42.240, 268.388



10, 15.528, 258.323

Inverse Universe

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



57, 68.384, 343.767



59, 83.856, 346.012



83, 63.983, 96.926



44, 6.269, 338.098



38, 67.025, 350.581



7, 28.097, 345.887

Previews

White Background



This preview shows how the CIELCh color 67, 37.291, 253.491 looks on a white background.

Color Contrast Check

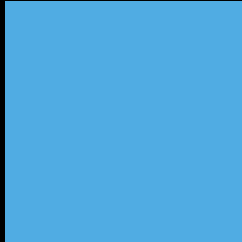
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 37.291, 253.491 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

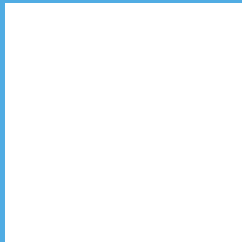
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 37.291, 253.491

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.291, 253.491.

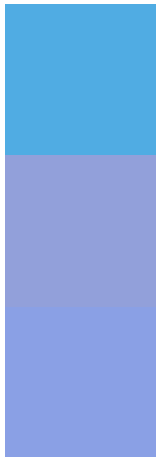


This preview shows how white text looks on a background with the CIELCh color 67, 37.291, 253.491.

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, 37.291, 253.491

Protanopia
67, 32.231, 285.517

Deuteranopia
67, 38.451, 284.103



Tritanopia
67, 32.271, 211.059

Trichromacy



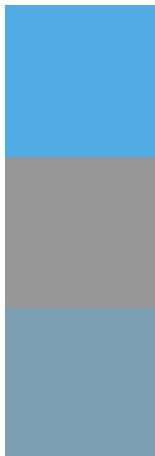
Original Color
67, 37.291, 253.491

Protanomaly
66, 33.319, 271.324

Deuteranomaly
66, 37.188, 272.452

Tritanomaly
67, 32.115, 227.713

Monochromacy



Original Color
67, 37.291, 253.491

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 15.762, 244.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.291, 253.491 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(80, 172, 227)` looks like.

```
.text, #text, p{  
    color:rgb(80, 172, 227)  
}
```

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(80, 172, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 172, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.291, 253.491 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(80, 172, 227) }
```

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

```
.border{ border-color:rgb(80, 172, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 172, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 172, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 172, 227);  
box-shadow:4px 4px 4px 4px rgb(80, 172,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.291, 253.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 172, 227) }
```

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

```
.background{ background-color: rgb(80, 172,  
227) }
```

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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