

Converting Colors

CIELCh(68, 37.513, 245.826)

Have a look what the booklet for
CIELCh(68, 37.513, 245.826)
contains.

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Color

CIELCh(68, 37.484, 245.749)

Conversions

Conversions Part 1

Format	Color
Hex	42B1E3
RGB	66, 177, 227
RGB Percent	26%, 69%, 89%
CMY	0.7431, 0.3073, 0.1113
CMYK	0.71, 0.22, 0.00, 0.11
HSL	199°, 74%, 57%
HSV	199°, 71%, 89%
XYZ	31.6802, 37.9720, 78.0651
YIQ	149.5110, -82.2060, -7.9820

Conversions

Conversions Part 2

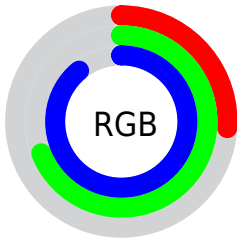
Format	Color
R _{YB}	66, 132, 227
Decimal	4370915
CIE _{Lab}	68.00, -15.40, -34.18
CIE _{LCh}	68, 37.484, 245.749
Yxy	37.9720, 0.2145, 0.2571
Android (android.graphics.Color)	4282560995 (0xFF42B1E3)
YUV	149.5110, 38.2021, -73.2391
Hunter-Lab	61.6215, -16.0688, -31.9765

Details

The CIELCh color **68, 37.484, 245.749** 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 **61, 61.041, 49.592**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 31.027, 219.661**, and **49, 34.900, 250.973** is the 20% darker color. If you saturate the color by 10%, you get **65, 40.687, 249.664**, and if you desaturate by 10%, it is **71, 33.753, 242.512**.

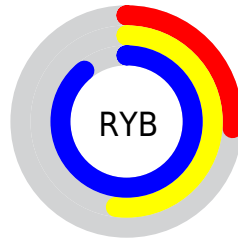
Distribution



Red (26%)

Green (69%)

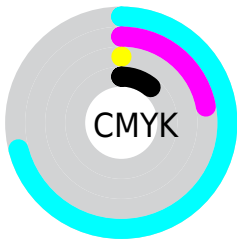
Blue (89%)



Red (26%)

Yellow (52%)

Blue (89%)

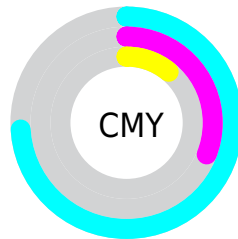


Cyan (71%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (74%)


Magenta (31%)

Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.484, 245.749 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 68, 37.484, 245.749 by changing the saturation by 10% instead.

 68, 37.484,
245.749


 68, 37.484,
245.749

 100, 37.484,
245.749

 58, 37.484,
245.749

 88, 37.484,
245.749

 48, 37.484,
245.749

 98, 37.484,
245.749

 38, 37.484,
245.749

 28, 37.484,
245.749

 18, 37.484,
245.749

 8, 37.484, 245.749

 0, 37.484, 245.749

68, 37.484,
245.749

68, 37.484,
245.749

65, 40.687,
249.664

71, 33.753,
242.512

63, 43.489,
254.258

74, 29.448,
239.888

61, 45.850,
258.739

77, 24.582,
237.789

80, 19.203,
236.124

83, 13.384,
234.814

86, 7.201, 233.803

90, 0.726, 233.657

93, 5.973, 52.155

Harmonies

Complementary

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



68, 37.484, 245.749



61, 61.041, 49.592

Rectangle

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



68, 37.484, 245.749



68, 37.484, 295.749



68, 37.484, 65.749



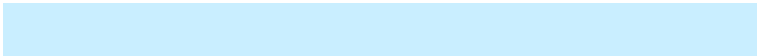
68, 37.484, 115.749

Sweetspot

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



68, 37.483, 245.749



92, 14.662, 234.819



80, 77.814, 146.313



48, 9.854, 235.152



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 37.483, 245.749



72, 45.891, 251.634



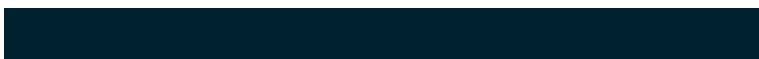
46, 75.829, 294.537



45, 3.669, 233.666



48, 37.621, 257.800



11, 14.374, 248.062

Inverse Universe

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



55, 75.515, 341.041



58, 89.850, 343.172



79, 65.728, 91.741



44, 6.560, 335.321



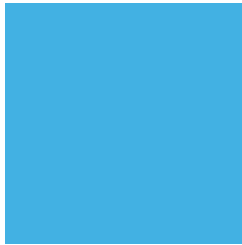
39, 69.482, 345.563



7, 29.192, 341.998

Previews

White Background



This preview shows how the CIELCh color 68, 37.484, 245.749 looks on a white background.

Color Contrast Check

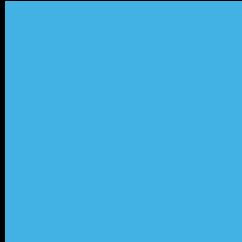
Large Text (above 18pt) WCAG AA × Fail

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 68, 37.484, 245.749 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

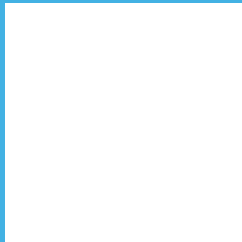
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 37.484, 245.749

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.484, 245.749.



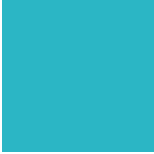
This preview shows how white text looks on a background with the CIELCh color 68, 37.484, 245.749.

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
68, 35.154, 210.619

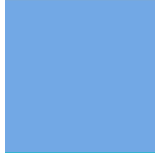
Trichromacy



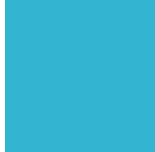
Original Color
68, 37.484, 245.749



Protanomaly
67, 31.481, 265.460



Deuteranomaly
67, 36.194, 268.330

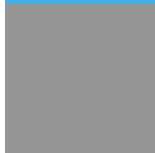


Tritanomaly
68, 34.666, 223.952

Monochromacy



Original Color
68, 37.484, 245.749



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 16.498, 236.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.484, 245.749 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(66, 177, 227)` looks like.

```
.text, #text, p{  
    color:rgb(66, 177, 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(66, 177, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 177, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.484, 245.749 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(66, 177, 227) }
```

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

```
.border{ border-color:rgb(66, 177, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 177, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 177, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 177, 227);  
box-shadow:4px 4px 4px 4px rgb(66, 177,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.484, 245.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 177, 227) }
```

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

```
.background{ background-color: rgb(66, 177,  
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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