

Converting Colors

CIELCh(65, 38.619, 249.307)

Have a look what the booklet for
CIELCh(65, 38.619, 249.307)
contains.

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Color

CIELCh(65, 38.728, 249.439)

Conversions

Conversions Part 1

Format	Color
Hex	37A8DE
RGB	55, 168, 222
RGB Percent	22%, 66%, 87%
CMY	0.7848, 0.3415, 0.1298
CMYK	0.75, 0.24, 0.00, 0.13
HSL	199°, 72%, 54%
HSV	199°, 75%, 87%
XYZ	28.7242, 34.0472, 74.0947
YIQ	140.3690, -84.6820, -7.1620

Conversions

Conversions Part 2

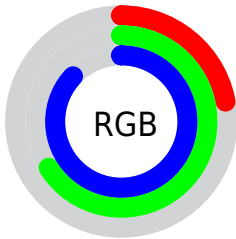
Format	Color
R _{YB}	55, 122, 222
Decimal	3647710
CIE Lab	65.00, -13.60, -36.26
CIE LCh	65, 38.728, 249.439
Yxy	34.0472, 0.2099, 0.2488
Android (android.graphics.Color)	4281837790 (0xFF37A8DE)
YUV	140.3690, 40.2441, -74.8686
Hunter-Lab	58.3500, -14.2415, -34.4434

Details

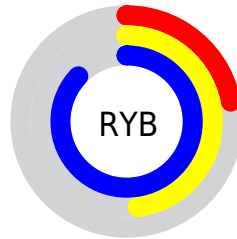
The CIELCh color **65, 38.728, 249.439** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **59, 63.843, 50.512**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 32.028, 229.922**, and **46, 35.844, 256.695** is the 20% darker color. If you saturate the color by 10%, you get **62, 41.888, 253.713**, and if you desaturate by 10%, it is **68, 35.130, 245.845**.

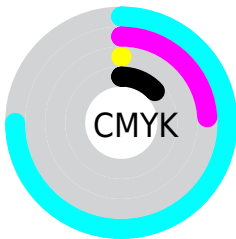
Distribution



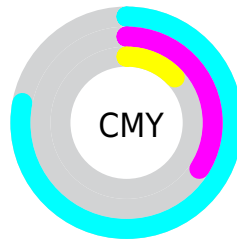
- Red (22%)
- Green (66%)
- Blue (87%)



- Red (22%)
- Yellow (48%)
- Blue (87%)



- Cyan (75%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)





- Cyan (78%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 38.728, 249.439 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 65, 38.728, 249.439 by changing the saturation by 10% instead.


 65, 38.728,
249.439


 65, 38.728,
249.439


 100, 38.728,
249.439


 55, 38.728,
249.439


 85, 38.728,
249.439

 45, 38.728,
249.439

 95, 38.728,
249.439

 35, 38.728,
249.439

 25, 38.728,
249.439

 15, 38.728,
249.439

 5, 38.728, 249.439

 0, 38.728, 249.439

65, 38.728,
249.439

65, 38.728,
249.439

62, 41.888,
253.713

68, 35.130,
245.845

60, 44.769,
258.612

71, 31.015,
242.894

59, 46.134,
261.000

74, 26.368,
240.509

77, 21.220,
238.601

80, 15.631,
237.084

83, 9.670, 235.891

87, 3.407, 235.025

90, 3.092, 53.925

Harmonies

Complementary

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



65, 38.728, 249.439



59, 63.843, 50.512

Rectangle

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



65, 38.728, 249.439



65, 38.728, 299.439



65, 38.728, 69.439



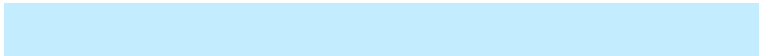
65, 38.728, 119.439

Sweetspot

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



65, 38.727, 249.439



91, 16.006, 236.809



79, 78.915, 146.198



47, 10.977, 237.296



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 38.727, 249.439



70, 48.287, 256.302



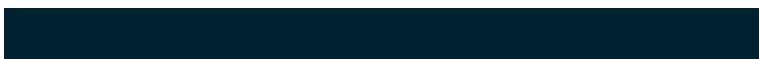
42, 81.197, 296.532



45, 3.671, 235.334



47, 38.456, 260.125



11, 14.572, 250.257

Inverse Universe

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



53, 76.114, 342.338



57, 90.248, 344.955



78, 68.230, 92.410



44, 6.499, 335.868



39, 68.932, 346.547



7, 28.957, 342.761

Previews

White Background



This preview shows how the CIE LCh color 65, 38.728, 249.439 looks on a white background.

Color Contrast Check

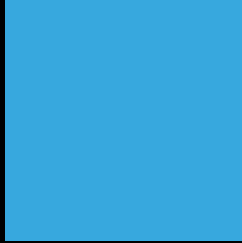
Large Text (above 18pt) WCAG AA × Fail

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 65, 38.728, 249.439 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

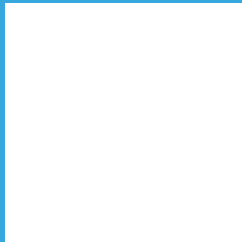
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 38.728, 249.439

Background



This preview shows how black text looks on a background with the CIELCh color 65, 38.728, 249.439.

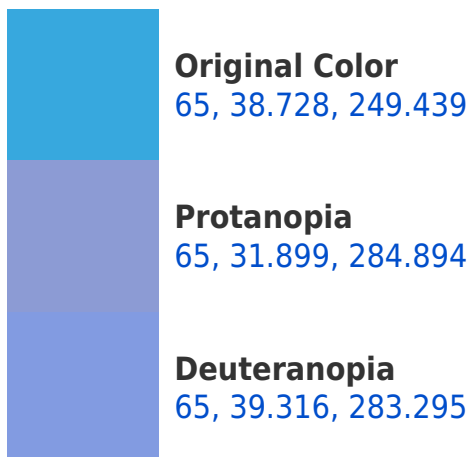


This preview shows how white text looks on a background with the CIELCh color 65, 38.728, 249.439.

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
65, 35.870, 209.394

Trichromacy



Original Color
65, 38.728, 249.439

Protanomaly
64, 33.752, 267.346

Deuteranomaly
64, 38.096, 269.268

Tritanomaly
65, 35.300, 223.586

Monochromacy



Original Color
65, 38.728, 249.439

Achromatopsia
58, 0.007, 296.813

Achromatomaly
60, 17.406, 239.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 38.728, 249.439 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(55, 168, 222)` looks like.

```
.text, #text, p{  
    color:rgb(55, 168, 222)  
}
```

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(55, 168, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 168, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 38.728, 249.439 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(55, 168, 222) }
```

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

```
.border{ border-color:rgb(55, 168, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 168, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 168, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 168, 222); box-shadow:4px 4px 4px 4px rgb(55, 168, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 38.728, 249.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 168, 222) }
```

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

```
.background{ background-color: rgb(55, 168,  
222) }
```

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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