

Converting Colors

CIELCh(65, 38.750, 237.875)

Have a look what the booklet for
CIELCh(65, 38.750, 237.875)
contains.

CIELCh(65, 38.835, 238.052)	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>	26

Color

CIELCh(65, 38.835, 238.052)

Conversions

Conversions Part 1

Format	Color
Hex	06ABD8
RGB	6, 171, 216
RGB Percent	2%, 67%, 85%
CMY	0.9762, 0.3301, 0.1537
CMYK	0.97, 0.21, 0.00, 0.15
HSL	193°, 95%, 44%
HSV	193°, 97%, 85%
XYZ	26.9765, 34.0472, 69.9925
YIQ	126.7950, -112.7850, -20.9850

Conversions

Conversions Part 2

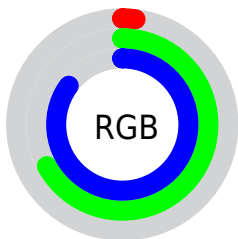
Format	Color
R _Y B	6, 98, 216
Decimal	437208
CIE Lab	65.00, -20.55, -32.95
CIE LCh	65, 38.835, 238.052
Yxy	34.0472, 0.2059, 0.2599
Android (android.graphics.Color)	4278627288 (0xFF06ABD8)
YUV	126.7950, 43.9781, -105.9372
Hunter-Lab	58.3500, -19.5879, -30.2751

Details

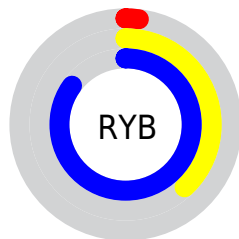
The CIELCh color **65, 38.835, 238.052** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **48, 85.304, 43.654**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.425, 223.318**, and **47, 32.745, 247.928** is the 20% darker color. If you saturate the color by 10%, you get **65, 39.129, 239.193**, and if you desaturate by 10%, it is **67, 37.688, 234.164**.

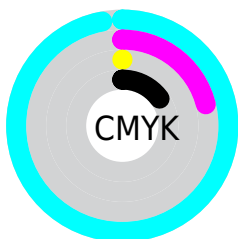
Distribution



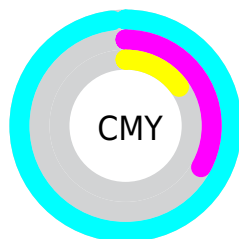
- Red (2%)
- Green (67%)
- Blue (85%)



- Red (2%)
- Yellow (38%)
- Blue (85%)



- Cyan (97%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)





- Cyan (98%)
- Magenta (33%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 38.835, 238.052 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, 38.835, 238.052 by changing the saturation by 10% instead.


 65, 38.835,
238.052


 65, 38.835,
238.052


 100, 38.835,
238.052


 55, 38.835,
238.052


 85, 38.835,
238.052

 45, 38.835,
238.052

 95, 38.835,
238.052

 35, 38.835,
238.052

 25, 38.835,
238.052

 15, 38.835,
238.052

 5, 38.835, 238.052

 0, 38.835, 238.052

■ 65, 38.835,
238.052

■ 65, 38.835,
238.052

■ 65, 39.129,
239.193

■ 67, 37.688,
234.164

■ 68, 35.970,
230.926

■ 70, 33.536,
228.319

■ 72, 30.336,
226.267

■ 74, 26.388,
224.681

■ 77, 21.752,
223.478

■ 79, 16.516,
222.582

■ 82, 10.775,

221.939

■ 84, 4.625, 221.538

Harmonies

Complementary

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



65, 38.835, 238.052



48, 85.304, 43.654

Rectangle

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



65, 38.835, 238.052



65, 38.835, 288.052



65, 38.835, 58.052



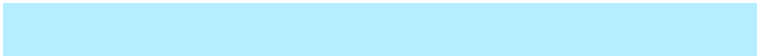
65, 38.835, 108.052

Sweetspot

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



65, 38.834, 238.052



91, 20.024, 222.747



76, 98.435, 138.784



47, 13.521, 223.123



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, 38.834, 238.052



75, 44.446, 239.635



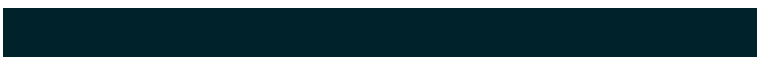
36, 89.005, 297.830



44, 3.611, 221.601



52, 32.797, 238.453



11, 12.659, 229.963

Inverse Universe

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



49, 86.034, 338.852



58, 97.606, 339.321



68, 72.333, 79.128



42, 6.760, 331.604



38, 72.591, 338.976



6, 28.143, 336.572

Previews

White Background



This preview shows how the CIE LCh color 65, 38.835, 238.052 looks on a white background.

Color Contrast Check

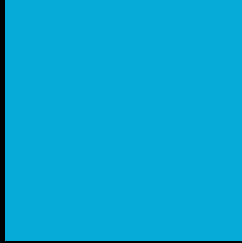
Large Text (above 18pt) WCAG AA × Fail

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 65, 38.835, 238.052 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, 38.835, 238.052

Background



This preview shows how black text looks on a background with the CIELCh color 65, 38.835, 238.052.

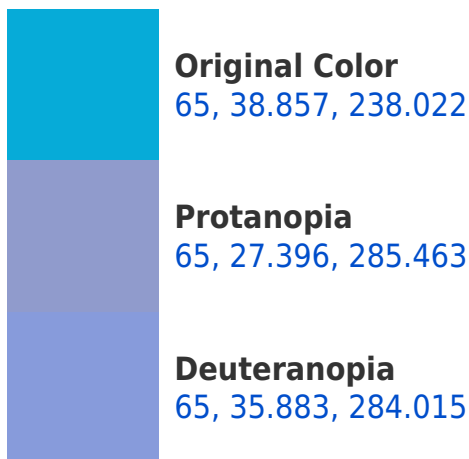


This preview shows how white text looks on a background with the CIELCh color 65, 38.835, 238.052.

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



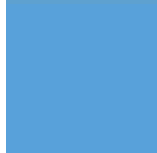
Trichromacy



Original Color
65, 38.857, 238.022



Protanomaly
64, 31.499, 255.522



Deuteranomaly
64, 36.304, 260.532

Monochromacy



Original Color
65, 38.857, 238.022



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 20.907, 224.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 38.835, 238.052 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(6, 171, 216)` looks like.

```
.text, #text, p{  
    color:rgb(6, 171, 216)  
}
```

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(6, 171, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 171, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 38.835, 238.052 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(6, 171, 216) }
```

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

```
.border{ border-color:rgb(6, 171, 216) }
```

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

Here you see how a box with a 4 pixel rgb(6, 171, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 171, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 171, 216);  
box-shadow:4px 4px 4px 4px rgb(6, 171,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 38.835, 238.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 171, 216) }
```

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

```
.background{ background-color: rgb(6, 171,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor