

Converting Colors

CIELCh(58, 79.319, 225.187)

Have a look what the booklet for
CIELCh(58, 79.319, 225.187)
contains.

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Color

CIELCh(65, 46.331, 256.121)

Conversions

Conversions Part 1

Format	Color
Hex	04A8EE
RGB	4, 168, 238
RGB Percent	2%, 66%, 93%
CMY	0.9845, 0.3426, 0.0679
CMYK	0.98, 0.29, 0.00, 0.07
HSL	198°, 97%, 47%
HSV	198°, 98%, 93%
XYZ	29.3679, 34.0472, 85.6647
YIQ	126.9440, -120.2140, -12.9980

Conversions

Conversions Part 2

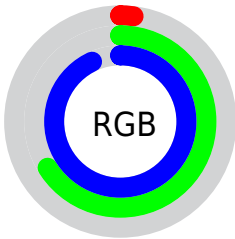
Format	Color
R _{YB}	4, 100, 238
Decimal	305390
CIE _{Lab}	65.00, -11.11, -44.98
CIE _{LCh}	65, 46.331, 256.121
Y _{xy}	34.0472, 0.1970, 0.2284
Android (android.graphics.Color)	4278495470 (0xFF04A8EE)
YUV	126.9440, 54.7506, -107.8219
Hunter-Lab	58.3500, -12.2723, -46.1998

Details

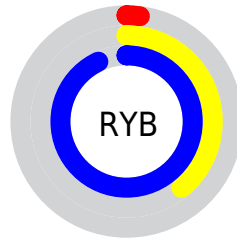
The CIELCh color **65, 46.331, 256.121** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **55, 89.032, 47.061**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 34.634, 227.116**, and **47, 42.449, 266.794** is the 20% darker color. If you saturate the color by 10%, you get **65, 46.763, 256.948**, and if you desaturate by 10%, it is **67, 43.786, 251.159**.

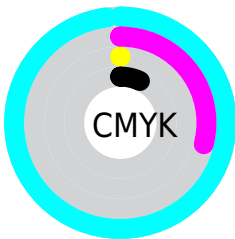
Distribution



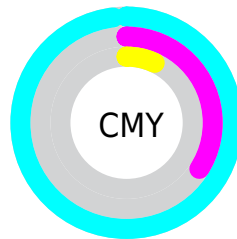
- Red (2%)
- Green (66%)
- Blue (93%)



- Red (2%)
- Yellow (39%)
- Blue (93%)



- Cyan (98%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)





- Cyan (98%)
- Magenta (34%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 46.331, 256.121 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, 46.331, 256.121 by changing the saturation by 10% instead.


 65, 46.331,
256.121


 65, 46.331,
256.121


 100, 46.331,
256.121


 55, 46.331,
256.121


 85, 46.331,
256.121

 45, 46.331,
256.121

 95, 46.331,
256.121

 35, 46.331,
256.121

 25, 46.331,
256.121

 15, 46.331,
256.121

 5, 46.331, 256.121

 0, 46.331, 256.121

■ 65, 46.331,
256.121

■ 65, 46.331,
256.121

■ 65, 46.763,
256.948

■ 67, 43.786,
251.159

■ 70, 40.954,
246.793

■ 72, 37.627,
243.125

■ 75, 33.701,
240.126

■ 78, 29.147,
237.716

■ 81, 23.995,
235.803

■ 84, 18.309,
234.296

■ 88, 12.171,

233.121

■ 91, 5.661, 232.241

Harmonies

Complementary

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



65, 46.331, 256.121



55, 89.032, 47.061

Rectangle

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



65, 46.331, 256.121



65, 46.331, 306.121



65, 46.331, 76.121



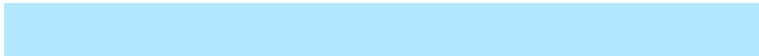
65, 46.331, 126.121

Sweetspot

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



65, 46.330, 256.122



89, 20.413, 234.537



83, 101.579, 140.618



46, 13.744, 235.157



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, 46.330, 256.122



69, 49.412, 257.161



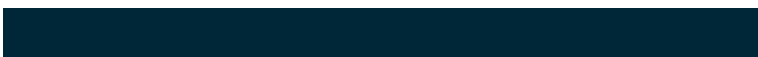
36, 108.794, 301.899



48, 3.874, 232.325



51, 38.234, 256.035



14, 15.749, 247.883

Inverse Universe

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



53, 87.252, 344.886



57, 91.981, 345.303



78, 80.055, 86.386



47, 6.978, 334.892



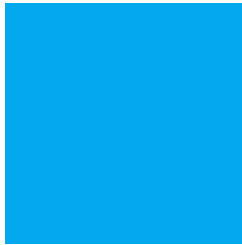
41, 72.145, 344.852



9, 32.378, 341.898

Previews

White Background



This preview shows how the CIE LCh color 65, 46.331, 256.121 looks on a white background.

Color Contrast Check

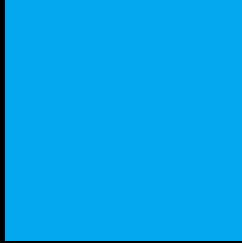
Large Text (above 18pt) WCAG AA × Fail

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, 46.331, 256.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

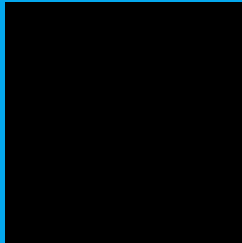
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

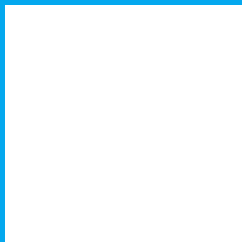
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 46.331, 256.121

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.331, 256.121.



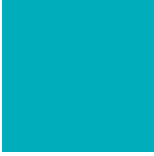
This preview shows how white text looks on a background with the CIELCh color 65, 46.331, 256.121.

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, 36.338, 208.270

Trichromacy



Original Color
65, 46.333, 256.013



Protanomaly
64, 43.114, 268.653



Deuteranomaly
64, 47.117, 269.152



Tritanomaly
65, 36.908, 227.311

Monochromacy



Original Color
65, 46.333, 256.013



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 22.862, 237.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.331, 256.121 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(4, 168, 238)` looks like.

```
.text, #text, p{  
    color:rgb(4, 168, 238)  
}
```

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(4, 168, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 168, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.331, 256.121 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(4, 168, 238) }
```

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

```
.border{ border-color:rgb(4, 168, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 168, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 168, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 168, 238);  
box-shadow:4px 4px 4px 4px rgb(4, 168,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.331, 256.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 168, 238) }
```

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

```
.background{ background-color: rgb(4, 168,  
238) }
```

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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