

Converting Colors

CIELCh(65, 45.442, 258.713)

Have a look what the booklet for
CIELCh(65, 45.442, 258.713)
contains.

CIELCh(65, 45.609, 259.137)	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, 45.609, 259.137)

Conversions

Conversions Part 1

Format	Color
Hex	2BA6ED
RGB	43, 166, 237
RGB Percent	17%, 65%, 93%
CMY	0.8323, 0.3476, 0.0691
CMYK	0.82, 0.30, 0.00, 0.07
HSL	202°, 85%, 55%
HSV	202°, 82%, 93%
XYZ	30.0291, 34.0472, 85.4052
YIQ	137.3170, -96.0990, -3.9950

Conversions

Conversions Part 2

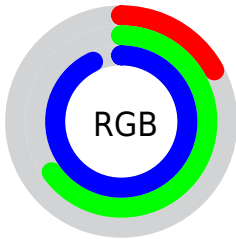
Format	Color
R _Y B	43, 118, 237
Decimal	2860781
CIE Lab	65.00, -8.60, -44.79
CIE LCh	65, 45.609, 259.137
Yxy	34.0472, 0.2009, 0.2278
Android (android.graphics.Color)	4281050861 (0xFF2BA6ED)
YUV	137.3170, 49.1437, -82.7160
Hunter-Lab	58.3500, -10.2496, -45.9361

Details

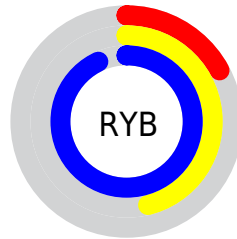
The CIELCh color **65, 45.609, 259.137** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **62, 73.008, 53.249**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 32.757, 231.396**, and **46, 42.884, 267.933** is the 20% darker color. If you saturate the color by 10%, you get **62, 49.518, 263.993**, and if you desaturate by 10%, it is **68, 41.481, 254.870**.

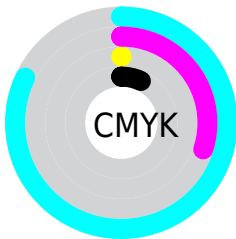
Distribution



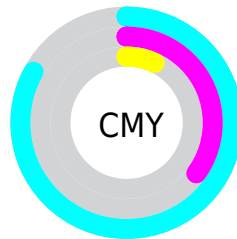
- Red (17%)
- Green (65%)
- Blue (93%)



- Red (17%)
- Yellow (46%)
- Blue (93%)



- Cyan (82%)
- Magenta (30%)
- Yellow (0%)
- Black (7%)





- Cyan (83%)
- Magenta (35%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 45.609, 259.137 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, 45.609, 259.137 by changing the saturation by 10% instead.


 65, 45.609,
259.137


 65, 45.609,
259.137


 100, 45.609,
259.137


 55, 45.609,
259.137


 85, 45.609,
259.137

 45, 45.609,
259.137

 95, 45.609,
259.137

 35, 45.609,
259.137

 25, 45.609,
259.137

 15, 45.609,
259.137

 5, 45.609, 259.137

 0, 45.609, 259.137

■ 65, 45.609,
259.137

■ 65, 45.609,
259.137

■ 62, 49.518,
263.993

■ 68, 41.481,
254.870

■ 60, 52.661,
268.105

■ 71, 36.988,
251.247

■ 75, 32.053,
248.244

■ 78, 26.660,
245.790

■ 82, 20.838,
243.802

■ 85, 14.641,
242.200

■ 89, 8.131, 240.922

■ 93, 1.372, 240.184

Harmonies

Complementary

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



65, 45.609, 259.137



62, 73.008, 53.249

Rectangle

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



65, 45.609, 259.137



65, 45.609, 309.137



65, 45.609, 79.137



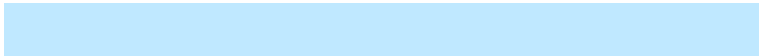
65, 45.609, 129.137

Sweetspot

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



65, 45.608, 259.138



90, 17.530, 242.661



83, 86.224, 146.119



46, 11.868, 243.224



0, 0.000, 0.000



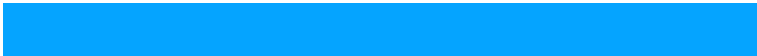
53, 0.007, 296.813

Same Dimension

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



65, 45.608, 259.138



65, 54.898, 267.307



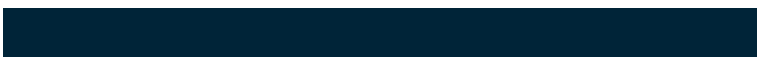
40, 98.141, 299.928



48, 3.902, 240.653



47, 42.936, 267.190



13, 17.092, 258.706

Inverse Universe

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



55, 81.362, 346.130



56, 88.544, 350.001



84, 77.646, 93.939



47, 6.661, 337.696



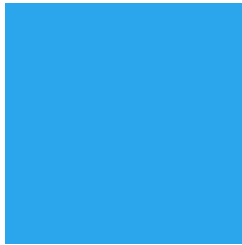
40, 69.454, 349.934



9, 31.208, 345.940

Previews

White Background



This preview shows how the CIE LCh color 65, 45.609, 259.137 looks on a white background.

Color Contrast Check

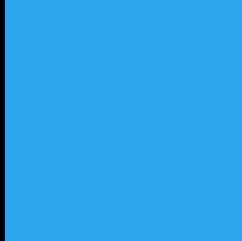
Large Text (above 18pt) WCAG AA × Fail

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, 45.609, 259.137 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

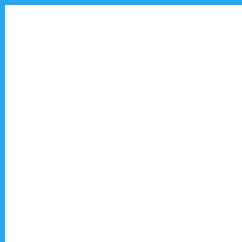
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 45.609, 259.137

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.609, 259.137.



This preview shows how white text looks on a background with the CIELCh color 65, 45.609, 259.137.

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

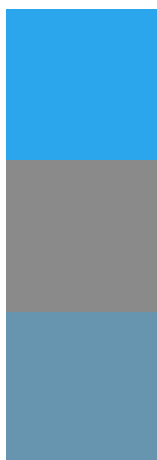


Original Color
65, 45.566, 259.234

Protanomaly
64, 42.621, 272.972

Deuteranomaly
65, 46.306, 271.936

Monochromacy



Original Color
65, 45.566, 259.234

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 20.252, 245.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.609, 259.137 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(43, 166, 237)` looks like.

```
.text, #text, p{  
    color:rgb(43, 166, 237)  
}
```

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(43, 166, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 166, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.609, 259.137 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(43, 166, 237) }
```

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

```
.border{ border-color:rgb(43, 166, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 166, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 166, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 166, 237);  
box-shadow:4px 4px 4px 4px rgb(43, 166,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.609, 259.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 166, 237) }
```

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

```
.background{ background-color: rgb(43, 166,  
237) }
```

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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