

Converting Colors

CIELCh(65, 36.341, 240.078)

Have a look what the booklet for
CIELCh(65, 36.341, 240.078)
contains.

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Color

CIELCh(65, 36.257, 239.354)

Conversions

Conversions Part 1

Format	Color
Hex	30AAD5
RGB	48, 170, 213
RGB Percent	19%, 67%, 84%
CMY	0.8136, 0.3345, 0.1659
CMYK	0.78, 0.20, 0.00, 0.17
HSL	196°, 66%, 51%
HSV	196°, 78%, 83%
XYZ	27.4891, 34.0472, 67.8737
YIQ	138.4240, -86.5150, -12.4910

Conversions

Conversions Part 2

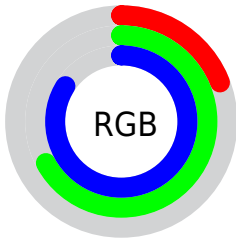
Format	Color
R_{YB}	48, 118, 213
Decimal	3189461
CIE _{Lab}	65.00, -18.48, -31.19
CIE _{LCh}	65, 36.257, 239.354
Yxy	34.0472, 0.2124, 0.2631
Android (android.graphics.Color)	4281379541 (0xFF30AAD5)
YUV	138.4240, 36.7660, -79.3018
Hunter-Lab	58.3500, -18.0199, -28.1223

Details

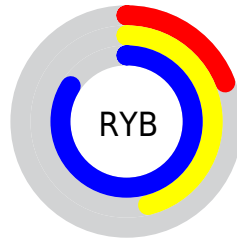
The CIELCh color **65, 36.257, 239.354** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **54, 65.839, 45.937**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 32.968, 226.625**, and **46, 31.998, 246.282** is the 20% darker color. If you saturate the color by 10%, you get **63, 38.384, 243.231**, and if you desaturate by 10%, it is **67, 33.547, 236.165**.

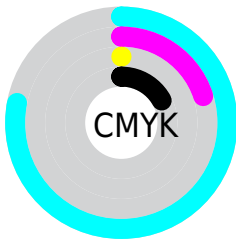
Distribution



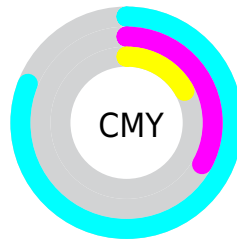
- Red (19%)
- Green (67%)
- Blue (84%)



- Red (19%)
- Yellow (46%)
- Blue (84%)



- Cyan (78%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)





- Cyan (81%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.257, 239.354 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, 36.257, 239.354 by changing the saturation by 10% instead.


 65, 36.257,
239.354


 65, 36.257,
239.354


 100, 36.257,
239.354


 55, 36.257,
239.354


 85, 36.257,
239.354

 45, 36.257,
239.354

 95, 36.257,
239.354

 35, 36.257,
239.354

 25, 36.257,
239.354

 15, 36.257,
239.354

 5, 36.257, 239.354

 0, 36.257, 239.354

■ 65, 36.257,
239.354

■ 65, 36.257,
239.354

■ 63, 38.384,
243.231

■ 67, 33.547,
236.165

■ 61, 40.099,
247.762

■ 69, 30.186,
233.604

■ 61, 40.500,
248.843

■ 72, 26.171,
231.579

■ 74, 21.546,
229.999

■ 77, 16.385,
228.781

■ 80, 10.770,
227.856

■ 83, 4.786, 227.202

■ 86, 1.491, 46.178

Harmonies

Complementary

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



65, 36.257, 239.354



54, 65.839, 45.937

Rectangle

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



65, 36.257, 239.354



65, 36.257, 289.354



65, 36.257, 59.354



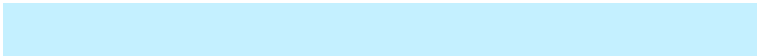
65, 36.257, 109.354

Sweetspot

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



65, 36.256, 239.354



92, 16.003, 228.339



75, 82.174, 143.515



48, 10.954, 228.700



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, 36.256, 239.354



73, 45.285, 246.032



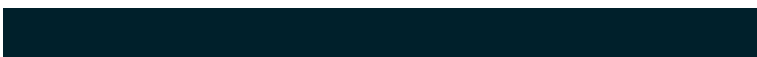
42, 74.098, 293.930



44, 3.554, 227.294



49, 34.235, 248.046



11, 12.848, 238.079

Inverse Universe

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



51, 77.816, 339.103



58, 94.310, 341.277



72, 64.871, 87.099



42, 6.543, 333.314



38, 70.277, 341.953



6, 27.222, 338.900

Previews

White Background



This preview shows how the CIE LCh color 65, 36.257, 239.354 looks on a white background.

Color Contrast Check

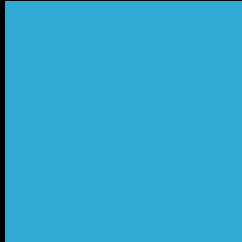
Large Text (above 18pt) WCAG AA × Fail

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, 36.257, 239.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

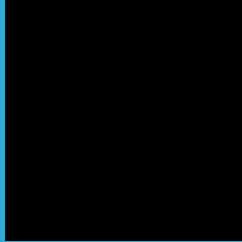
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 36.257, 239.354

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.257, 239.354.

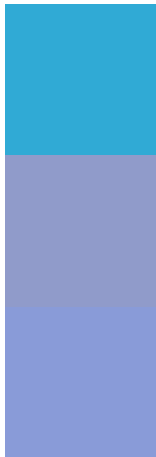


This preview shows how white text looks on a background with the CIELCh color 65, 36.257, 239.354.

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



Original Color

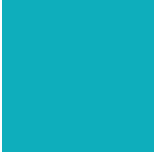
65, 36.257, 239.354

Protanopia

65, 26.302, 284.990

Deuteranopia

65, 34.183, 284.265



Tritanopia
65, 35.831, 209.411

Trichromacy



Original Color
65, 36.257, 239.354



Protanomaly
64, 29.141, 261.131



Deuteranomaly
64, 33.766, 264.892



Tritanomaly
65, 35.151, 220.604

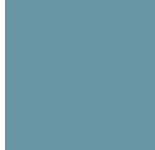
Monochromacy



Original Color
65, 36.257, 239.354



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 17.061, 228.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.257, 239.354 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(48, 170, 213)` looks like.

```
.text, #text, p{  
    color:rgb(48, 170, 213)  
}
```

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(48, 170, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 170, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.257, 239.354 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(48, 170, 213) }
```

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

```
.border{ border-color:rgb(48, 170, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 170, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 170, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 170, 213);  
box-shadow:4px 4px 4px 4px rgb(48, 170,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.257, 239.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 170, 213) }
```

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

```
.background{ background-color: rgb(48, 170,  
213) }
```

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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