

Converting Colors

CIELCh(64, 34.962, 235.685)

Have a look what the booklet for
CIELCh(64, 34.962, 235.685)
contains.

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Color

CIELCh(64, 35.076, 236.325)

Conversions

Conversions Part 1

Format	Color
Hex	2EA7CE
RGB	46, 167, 206
RGB Percent	18%, 65%, 81%
CMY	0.8177, 0.3440, 0.1910
CMYK	0.77, 0.19, 0.00, 0.19
HSL	195°, 63%, 50%
HSV	195°, 77%, 81%
XYZ	26.1936, 32.8017, 63.5279
YIQ	135.2670, -84.6350, -13.5230

Conversions

Conversions Part 2

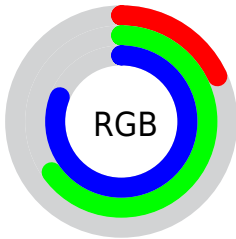
Format	Color
R_{YB}	46, 115, 206
Decimal	3057614
CIE _{Lab}	64.00, -19.45, -29.19
CIE _{LCh}	64, 35.076, 236.325
Yxy	32.8017, 0.2138, 0.2677
Android (android.graphics.Color)	4281247694 (0xFF2EA7CE)
YUV	135.2670, 34.8714, -78.2872
Hunter-Lab	57.2727, -18.5906, -25.6745

Details

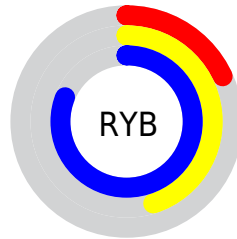
The CIELCh color **64, 35.076, 236.325** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **52, 64.538, 44.854**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 33.442, 229.456**, and **45, 30.764, 244.111** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.996, 239.974**, and if you desaturate by 10%, it is **66, 32.541, 233.347**.

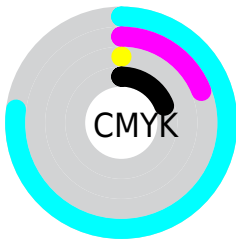
Distribution



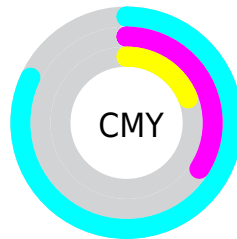
- Red (18%)
- Green (65%)
- Blue (81%)



- Red (18%)
- Yellow (45%)
- Blue (81%)



- Cyan (77%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)





- Cyan (82%)
- Magenta (34%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 35.076, 236.325 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 64, 35.076, 236.325 by changing the saturation by 10% instead.


 64, 35.076,
236.325


 64, 35.076,
236.325


 100, 35.076,
236.325


 54, 35.076,
236.325


 84, 35.076,
236.325

 44, 35.076,
236.325

 94, 35.076,
236.325

 34, 35.076,
236.325

 24, 35.076,
236.325

 14, 35.076,
236.325

 4, 35.076, 236.325

 0, 35.076, 236.325

64, 35.076,
236.325

64, 35.076,
236.325

62, 36.996,
239.974

66, 32.541,
233.347

61, 38.459,
244.281

68, 29.334,
230.972

60, 38.822,
245.398

70, 25.459,
229.108

73, 20.966,
227.665

75, 15.932,
226.564

78, 10.440,
225.741

81, 4.577, 225.179

84, 1.581, 44.254

Harmonies

Complementary

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



64, 35.076, 236.325



52, 64.538, 44.854

Rectangle

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



64, 35.076, 236.325



64, 35.076, 286.325



64, 35.076, 56.325



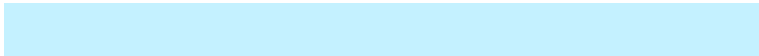
64, 35.076, 106.325

Sweetspot

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



64, 35.075, 236.325



92, 16.056, 226.189



73, 81.026, 143.046



48, 10.986, 226.514



0, 0.000, 0.000



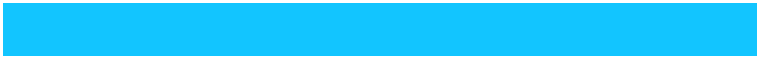
53, 0.007, 296.813

Same Dimension

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



64, 35.075, 236.325



74, 44.588, 242.794



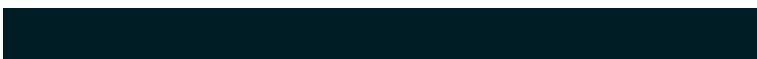
42, 70.350, 292.910



42, 3.430, 225.262



49, 32.864, 244.610



9, 11.781, 234.026

Inverse Universe

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



49, 76.696, 338.214



58, 95.357, 340.253



69, 62.657, 85.821



40, 6.358, 332.694



37, 69.524, 340.835



5, 23.779, 337.617

Previews

White Background



This preview shows how the CIELCh color 64, 35.076, 236.325 looks on a white background.

Color Contrast Check

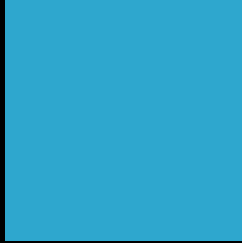
Large Text (above 18pt) WCAG AA × Fail

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 64, 35.076, 236.325 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 64, 35.076, 236.325

Background



This preview shows how black text looks on a background with the CIELCh color 64, 35.076, 236.325.

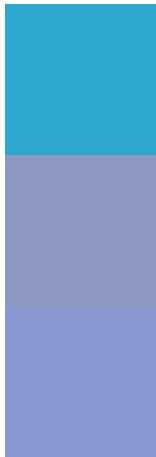


This preview shows how white text looks on a background with the CIELCh color 64, 35.076, 236.325.

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

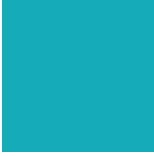
64, 35.076, 236.325

Protanopia

64, 24.127, 285.547

Deuteranopia

64, 32.553, 285.205



Tritanopia
64, 35.012, 209.785

Trichromacy



Original Color
64, 35.076, 236.325



Protanomaly
63, 26.865, 257.888



Deuteranomaly
63, 31.771, 263.352



Tritanomaly
64, 34.444, 219.119

Monochromacy



Original Color
64, 35.076, 236.325



Achromatopsia
57, 0.007, 296.813



Achromatomaly
58, 16.825, 228.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 35.076, 236.325 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(46, 167, 206)` looks like.

```
.text, #text, p{  
    color:rgb(46, 167, 206)  
}
```

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(46, 167, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 167, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 35.076, 236.325 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(46, 167, 206) }
```

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

```
.border{ border-color:rgb(46, 167, 206) }
```

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

Here you see how a box with a 4 pixel rgb(46, 167, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 167, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 167, 206);  
box-shadow:4px 4px 4px 4px rgb(46, 167,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 35.076, 236.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 167, 206) }
```

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

```
.background{ background-color: rgb(46, 167,  
206) }
```

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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