

Converting Colors

CIELCh(64, 36.860, 230.935)

Have a look what the booklet for
CIELCh(64, 36.860, 230.935)
contains.

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Color

CIELCh(64, 36.825, 230.671)

Conversions

Conversions Part 1

Format	Color
Hex	06A9CD
RGB	6, 169, 205
RGB Percent	2%, 66%, 80%
CMY	0.9772, 0.3374, 0.1963
CMYK	0.97, 0.18, 0.00, 0.20
HSL	191°, 94%, 41%
HSV	191°, 97%, 80%
XYZ	25.2654, 32.8017, 62.7270
YIQ	124.3670, -108.7040, -23.3600

Conversions

Conversions Part 2

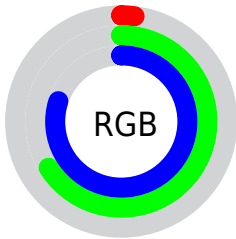
Format	Color
R_{YB}	6, 96, 205
Decimal	436685
CIE _{Lab}	64.00, -23.34, -28.48
CIE _{LCh}	64, 36.825, 230.671
Yxy	32.8017, 0.2092, 0.2716
Android (android.graphics.Color)	4278626765 (0xFF06A9CD)
YUV	124.3670, 39.7521, -103.8079
Hunter-Lab	57.2727, -21.4835, -24.8454

Details

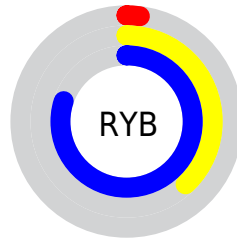
The CIELCh color **64, 36.825, 230.671** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 83.083, 42.561**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.638, 225.138**, and **46, 30.130, 240.261** is the 20% darker color. If you saturate the color by 10%, you get **64, 37.017, 231.638**, and if you desaturate by 10%, it is **65, 36.014, 227.423**.

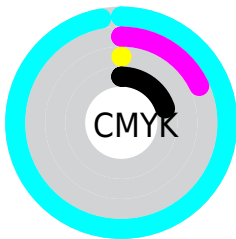
Distribution



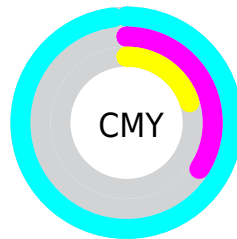
- Red (2%)
- Green (66%)
- Blue (80%)



- Red (2%)
- Yellow (38%)
- Blue (80%)



- Cyan (97%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)





- Cyan (98%)
- Magenta (34%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 36.825, 230.671 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, 36.825, 230.671 by changing the saturation by 10% instead.


 64, 36.825,
230.671


 64, 36.825,
230.671


 100, 36.825,
230.671


 54, 36.825,
230.671


 84, 36.825,
230.671

 44, 36.825,
230.671

 94, 36.825,
230.671

 34, 36.825,
230.671

 24, 36.825,
230.671

 14, 36.825,
230.671

 4, 36.825, 230.671

 0, 36.825, 230.671

■ 64, 36.825,
230.671

■ 64, 36.825,
230.671

■ 64, 37.017,
231.638

■ 65, 36.014,
227.423

■ 67, 34.570,
224.755

■ 68, 32.366,
222.637

■ 70, 29.370,
220.995

■ 72, 25.608,
219.751

■ 74, 21.146,
218.833

■ 76, 16.076,
218.179

■ 78, 10.495,

217.742

■ 81, 4.499, 217.521

Harmonies

Complementary

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



64, 36.825, 230.671



45, 83.083, 42.561

Rectangle

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



64, 36.825, 230.671



64, 36.825, 280.671



64, 36.825, 50.671



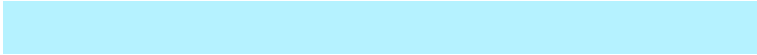
64, 36.825, 100.671

Sweetspot

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



64, 36.824, 230.671



92, 20.330, 218.303



72, 96.118, 138.145



48, 13.718, 218.579



0, 0.000, 0.000



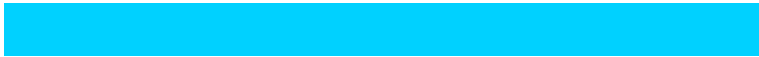
53, 0.007, 296.813

Same Dimension

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



64, 36.824, 230.671



78, 43.670, 232.145



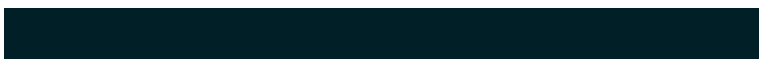
36, 81.026, 295.917



42, 3.531, 217.545



52, 31.593, 231.044



10, 11.773, 223.006

Inverse Universe

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



47, 84.852, 336.812



58, 100.126, 337.218



63, 69.214, 76.102



40, 6.651, 330.410



38, 72.802, 336.923



5, 25.053, 334.466

Previews

White Background



This preview shows how the CIELCh color 64, 36.825, 230.671 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, 36.825, 230.671 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, 36.825, 230.671

Background



This preview shows how black text looks on a background with the CIELCh color 64, 36.825, 230.671.

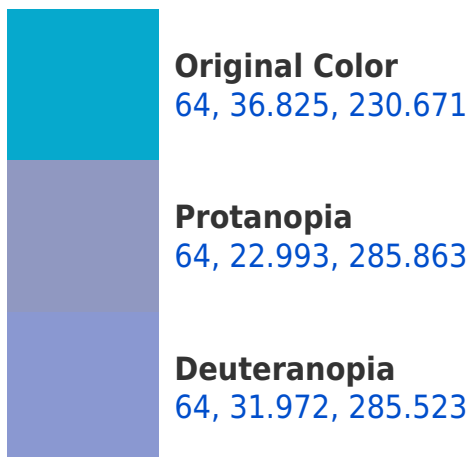


This preview shows how white text looks on a background with the CIELCh color 64, 36.825, 230.671.

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
64, 35.826, 209.426

Trichromacy



Original Color
64, 36.825, 230.671



Protanomaly
62, 28.041, 250.113



Deuteranomaly
63, 32.873, 257.630



Tritanomaly
64, 35.631, 217.270

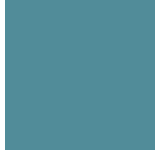
Monochromacy



Original Color
64, 36.825, 230.671



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.252, 219.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 36.825, 230.671 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, 169, 205)` looks like.

```
.text, #text, p{  
    color:rgb(6, 169, 205)  
}
```

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, 169, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 169, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 36.825, 230.671 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, 169, 205) }
```

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

```
.border{ border-color:rgb(6, 169, 205) }
```

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

Here you see how a box with a 4 pixel rgb(6, 169, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 169, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 169, 205);  
box-shadow:4px 4px 4px 4px rgb(6, 169,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 36.825, 230.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 169, 205) }
```

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

```
.background{ background-color: rgb(6, 169,  
205) }
```

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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