

Converting Colors

CIELCh(64, 34.973, 228.498)

Have a look what the booklet for
CIELCh(64, 34.973, 228.498)
contains.

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Color

CIELCh(64, 34.971, 228.287)

Conversions

Conversions Part 1

Format	Color
Hex	21A9C9
RGB	33, 169, 201
RGB Percent	13%, 66%, 79%
CMY	0.8690, 0.3384, 0.2129
CMYK	0.83, 0.16, 0.00, 0.21
HSL	191°, 71%, 46%
HSV	191°, 83%, 79%
XYZ	25.2817, 32.8017, 60.0746
YIQ	131.9840, -91.3280, -18.8800

Conversions

Conversions Part 2

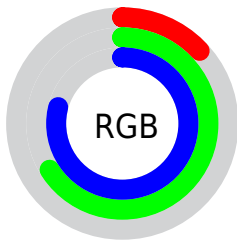
Format	Color
R_{YB}	33, 108, 201
Decimal	2206153
CIE _{Lab}	64.00, -23.27, -26.11
CIE _{LCh}	64, 34.971, 228.287
Yxy	32.8017, 0.2140, 0.2776
Android (android.graphics.Color)	4280396233 (0xFF21A9C9)
YUV	131.9840, 34.0249, -86.8090
Hunter-Lab	57.2727, -21.4328, -22.0996

Details

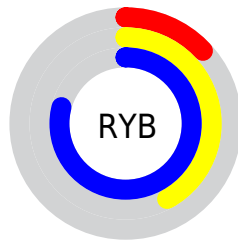
The CIELCh color **64, 34.971, 228.287** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **47, 70.465, 42.197**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 34.498, 226.194**, and **45, 29.147, 235.664** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.057, 231.498**, and if you desaturate by 10%, it is **66, 33.217, 225.682**.

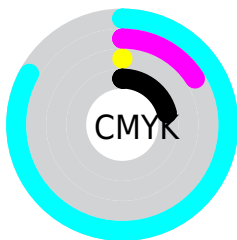
Distribution



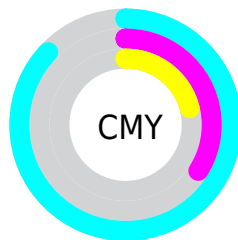
- Red (13%)
- Green (66%)
- Blue (79%)



- Red (13%)
- Yellow (42%)
- Blue (79%)



- Cyan (83%)
- Magenta (16%)
- Yellow (0%)
- Black (21%)



- Cyan (87%)
- Magenta (34%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 34.971, 228.287 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, 34.971, 228.287 by changing the saturation by 10% instead.

 64, 34.971,
228.287

 64, 34.971,
228.287

 100, 34.971,
228.287

 54, 34.971,
228.287

 84, 34.971,
228.287

 44, 34.971,
228.287

 94, 34.971,
228.287

 34, 34.971,
228.287

 24, 34.971,
228.287

 14, 34.971,
228.287

 4, 34.971, 228.287

 0, 34.971, 228.287

■ 64, 34.971,
228.287

■ 64, 34.971,
228.287

■ 63, 36.057,
231.498

■ 66, 33.217,
225.682

■ 62, 36.562,
233.881

■ 67, 30.717,
223.624

■ 69, 27.459,
222.033

■ 71, 23.484,
220.829

■ 73, 18.867,
219.940

■ 75, 13.699,
219.307

■ 78, 8.074, 218.888

■ 80, 2.083, 218.791

Harmonies

Complementary

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



64, 34.971, 228.287



47, 70.465, 42.197

Rectangle

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



64, 34.971, 228.287



64, 34.971, 278.287



64, 34.971, 48.287



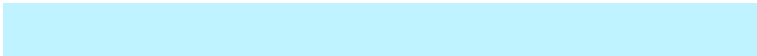
64, 34.971, 98.287

Sweetspot

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



64, 34.970, 228.287



93, 17.687, 219.415



71, 86.221, 140.640



48, 11.916, 219.630



0, 0.000, 0.000



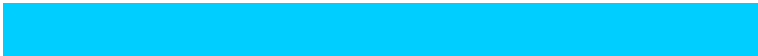
53, 0.007, 296.813

Same Dimension

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



64, 34.970, 228.287



77, 43.835, 234.474



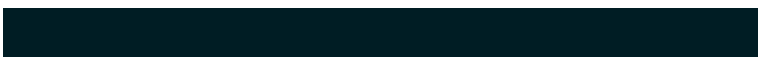
40, 69.160, 291.935



41, 3.438, 218.783



51, 31.324, 233.259



9, 11.194, 224.681

Inverse Universe

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



47, 80.278, 336.081



58, 99.331, 337.853



65, 63.269, 80.652



39, 6.465, 330.770



37, 71.429, 337.520



4, 22.623, 334.589

Previews

White Background



This preview shows how the CIE LCh color 64, 34.971, 228.287 looks on a white background.

Color Contrast Check

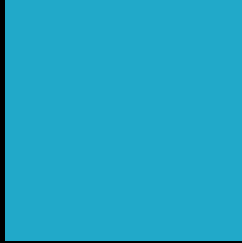
Large Text (above 18pt) WCAG AA × Fail

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, 34.971, 228.287 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, 34.971, 228.287

Background



This preview shows how black text looks on a background with the CIELCh color 64, 34.971, 228.287.

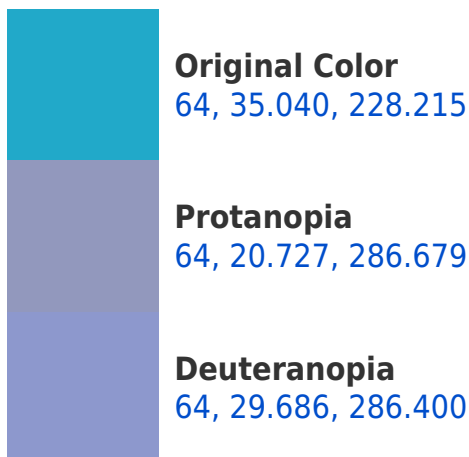


This preview shows how white text looks on a background with the CIELCh color 64, 34.971, 228.287.

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

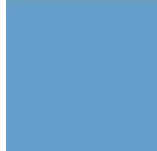
Trichromacy



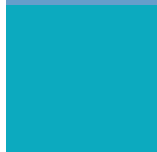
Original Color
64, 35.040, 228.215



Protanomaly
63, 24.867, 251.000



Deuteranomaly
63, 29.353, 258.358



Tritanomaly
64, 35.280, 216.506

Monochromacy



Original Color
64, 35.040, 228.215



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 17.595, 221.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 34.971, 228.287 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(33, 169, 201)` looks like.

```
.text, #text, p{  
    color:rgb(33, 169, 201)  
}
```

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(33, 169, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 169, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 34.971, 228.287 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(33, 169, 201) }
```

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

```
.border{ border-color:rgb(33, 169, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 169, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 169, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 169, 201);  
box-shadow:4px 4px 4px 4px rgb(33, 169,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 34.971, 228.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 169, 201) }
```

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

```
.background{ background-color: rgb(33, 169,  
201) }
```

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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