

Converting Colors

CIELCh(66, 34.924, 227.605)

Have a look what the booklet for
CIELCh(66, 34.924, 227.605)
contains.

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Color

CIELCh(66, 34.924, 228.175)

Conversions

Conversions Part 1

Format	Color
Hex	2CAECE
RGB	44, 174, 206
RGB Percent	17%, 68%, 81%
CMY	0.8265, 0.3171, 0.1916
CMYK	0.79, 0.16, 0.00, 0.19
HSL	192°, 65%, 49%
HSV	192°, 79%, 81%
XYZ	27.3651, 35.3238, 63.8512
YIQ	138.7780, -87.7520, -17.6080

Conversions

Conversions Part 2

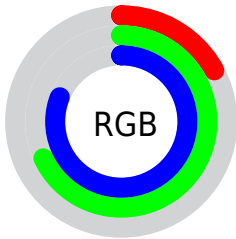
Format	Color
RYB	44, 116, 206
Decimal	2928334
CIELab	66.00, -23.29, -26.02
CIELCh	66, 34.924, 228.175
Yxy	35.3238, 0.2163, 0.2792
Android (android.graphics.Color)	4281118414 (0xFF2CAECE)
YUV	138.7780, 33.1404, -83.1203
Hunter-Lab	59.4338, -21.8224, -22.0929

Details

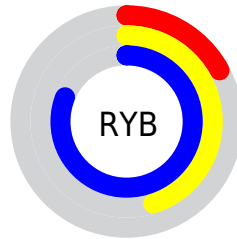
The CIELCh color **66, 34.924, 228.175** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **50, 67.123, 42.077**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 33.841, 220.585**, and **47, 29.876, 235.761** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.380, 231.210**, and if you desaturate by 10%, it is **68, 32.750, 225.740**.

Distribution



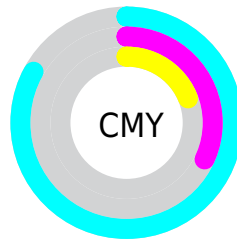
- Red (17%)
- Green (68%)
- Blue (81%)



- Red (17%)
- Yellow (45%)
- Blue (81%)



- Cyan (79%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)





- Cyan (83%)
- Magenta (32%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 34.924, 228.175 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 66, 34.924, 228.175 by changing the saturation by 10% instead.


 66, 34.924,
228.175


 66, 34.924,
228.175


 100, 34.924,
228.175


 56, 34.924,
228.175


 86, 34.924,
228.175

 46, 34.924,
228.175

 96, 34.924,
228.175

 36, 34.924,
228.175

 26, 34.924,
228.175

 16, 34.924,
228.175

 6, 34.924, 228.175

 0, 34.924, 228.175

66, 34.924,
228.175

66, 34.924,
228.175

65, 36.380,
231.210

68, 32.750,
225.740

63, 37.285,
234.835

69, 29.810,
223.831

63, 37.410,
235.377

71, 26.119,
222.366

74, 21.736,
221.263

76, 16.745,
220.455

78, 11.242,
219.887

81, 5.322, 219.540

83, 0.929, 38.576

Harmonies

Complementary

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



66, 34.924, 228.175



50, 67.123, 42.077

Rectangle

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



66, 34.924, 228.175



66, 34.924, 278.175



66, 34.924, 48.175



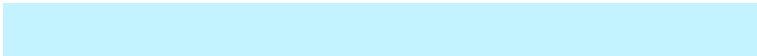
66, 34.924, 98.175

Sweetspot

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



66, 34.923, 228.175



93, 16.984, 220.187



73, 84.619, 141.391



49, 11.524, 220.413



0, 0.000, 0.000



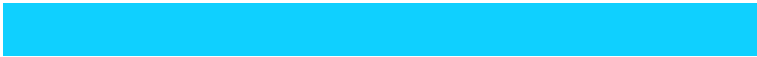
53, 0.007, 296.813

Same Dimension

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



66, 34.923, 228.175



77, 43.448, 233.569



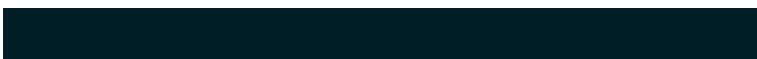
43, 66.200, 290.283



42, 3.498, 219.559



51, 31.767, 234.713



10, 11.744, 225.878

Inverse Universe

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



50, 79.584, 335.990



58, 98.636, 337.586



67, 61.880, 81.496



40, 6.572, 330.999



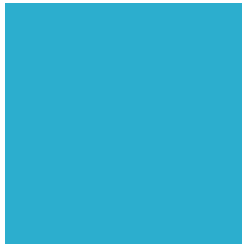
37, 71.892, 337.919



5, 24.705, 335.266

Previews

White Background



This preview shows how the CIE LCh color 66, 34.924, 228.175 looks on a white background.

Color Contrast Check

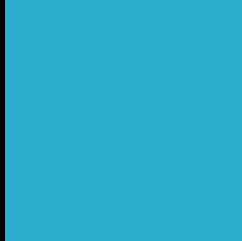
Large Text (above 18pt) WCAG AA × Fail

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 66, 34.924, 228.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

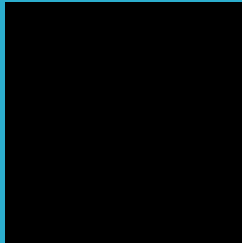
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 34.924, 228.175

Background



This preview shows how black text looks on a background with the CIELCh color 66, 34.924, 228.175.

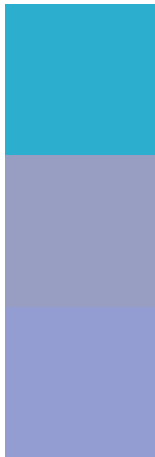


This preview shows how white text looks on a background with the CIELCh color 66, 34.924, 228.175.

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

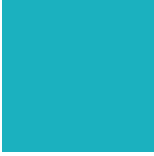
66, 34.924, 228.175

Protanopia

66, 20.063, 285.390

Deuteranopia

66, 29.490, 286.887

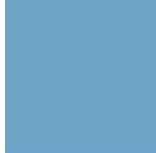


Tritanopia
66, 35.636, 209.482

Trichromacy



Original Color
66, 34.924, 228.175



Protanomaly
65, 24.257, 250.180



Deuteranomaly
65, 29.329, 260.076

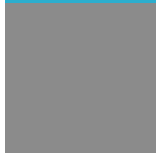


Tritanomaly
66, 35.087, 216.547

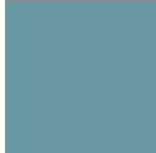
Monochromacy



Original Color
66, 34.924, 228.175



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 16.884, 219.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 34.924, 228.175 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(44, 174, 206)` looks like.

```
.text, #text, p{  
    color:rgb(44, 174, 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(44, 174, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 174, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 34.924, 228.175 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(44, 174, 206) }
```

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

```
.border{ border-color:rgb(44, 174, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 174, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 174, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 174, 206);  
box-shadow:4px 4px 4px 4px rgb(44, 174,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 34.924, 228.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 174, 206) }
```

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

```
.background{ background-color: rgb(44, 174,  
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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