

Converting Colors

CIELCh(68, 30.170, 219.333)

Have a look what the booklet for
CIELCh(68, 30.170, 219.333)
contains.

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Color

CIELCh(68, 30.205, 218.977)

Conversions

Conversions Part 1

Format	Color
Hex	4DB3C7
RGB	77, 179, 199
RGB Percent	30%, 70%, 78%
CMY	0.6977, 0.2978, 0.2194
CMYK	0.61, 0.10, 0.00, 0.22
HSL	190°, 52%, 54%
HSV	190°, 61%, 78%
XYZ	29.5149, 37.9720, 59.8446
YIQ	150.7820, -67.2120, -15.4040

Conversions

Conversions Part 2

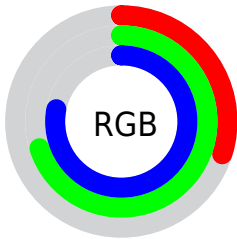
Format	Color
RYB	77, 133, 199
Decimal	5092295
CIELab	68.00, -23.48, -19.00
CIELCh	68, 30.205, 218.977
Yxy	37.9720, 0.2318, 0.2982
Android (android.graphics.Color)	4283282375 (0xFF4DB3C7)
YUV	150.7820, 23.7715, -64.7068
Hunter-Lab	61.6215, -22.3411, -14.4453

Details

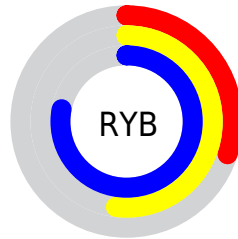
The CIELCh color **68, 30.205, 218.977** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **53, 49.394, 37.895**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 30.209, 218.118**, and **48, 28.810, 220.080** is the 20% darker color. If you saturate the color by 10%, you get **66, 32.791, 220.580**, and if you desaturate by 10%, it is **70, 26.832, 217.761**.

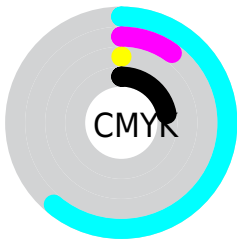
Distribution



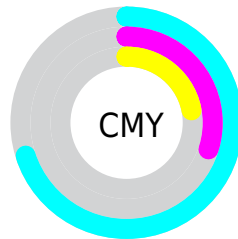
- Red (30%)
- Green (70%)
- Blue (78%)



- Red (30%)
- Yellow (52%)
- Blue (78%)



- Cyan (61%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (70%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 30.205, 218.977 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 68, 30.205, 218.977 by changing the saturation by 10% instead.

 68, 30.205,
218.977

 68, 30.205,
218.977


 100, 30.205,
218.977


 58, 30.205,
218.977


 88, 30.205,
218.977

 48, 30.205,
218.977

 98, 30.205,
218.977

 38, 30.205,
218.977

 28, 30.205,
218.977

 18, 30.205,
218.977

 8, 30.205, 218.977

 0, 30.205, 218.977

68, 30.205,
218.977

68, 30.205,
218.977

66, 32.791,
220.580

70, 26.832,
217.761

65, 34.582,
222.647

71, 22.729,
216.870

64, 35.635,
225.237

73, 17.978,
216.241

63, 36.132,
227.869

75, 12.676,
215.827

78, 6.921, 215.601

80, 0.805, 216.070

82, 5.589, 35.259

85, 12.191, 35.357

87, 18.473, 35.831

Harmonies

Complementary

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



68, 30.205, 218.977



53, 49.394, 37.895

Rectangle

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



68, 30.205, 218.977



68, 30.205, 268.977



68, 30.205, 38.977



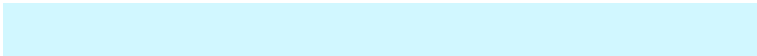
68, 30.205, 88.977

Sweetspot

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



68, 30.204, 218.976



95, 13.236, 215.739



72, 69.322, 143.035



50, 9.112, 215.825



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 30.204, 218.976



83, 40.445, 221.308



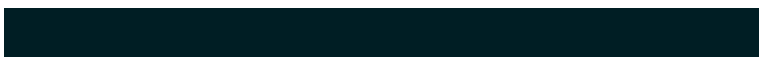
51, 46.805, 282.180



41, 3.495, 215.583



52, 31.179, 227.357



9, 11.317, 219.929

Inverse Universe

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



53, 67.585, 333.201



62, 93.319, 334.149



67, 47.269, 81.468



39, 6.591, 329.837



37, 72.904, 335.955



4, 23.178, 333.301

Previews

White Background



This preview shows how the CIE LCh color 68, 30.205, 218.977 looks on a white background.

Color Contrast Check

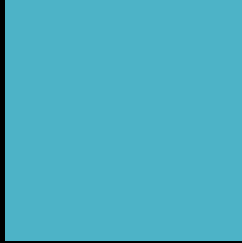
Large Text (above 18pt) WCAG AA × Fail

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 68, 30.205, 218.977 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

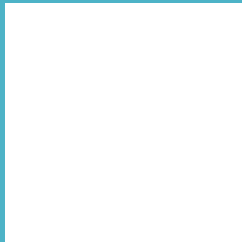
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 30.205, 218.977

Background



This preview shows how black text looks on a background with the CIELCh color 68, 30.205, 218.977.



This preview shows how white text looks on a background with the CIELCh color 68, 30.205, 218.977.

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
68, 30.205, 218.977

Protanopia
68, 14.371, 287.415

Deuteranopia
68, 23.203, 292.519



Tritanopia
68, 30.444, 212.028

Trichromacy



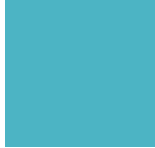
Original Color
68, 30.205, 218.977



Protanomaly
67, 18.118, 245.993



Deuteranomaly
67, 21.957, 258.115



Tritanomaly
68, 30.328, 214.319

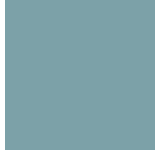
Monochromacy



Original Color
68, 30.205, 218.977



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 13.419, 215.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 30.205, 218.977 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(77, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(77, 179, 199)  
}
```

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(77, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 179, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 30.205, 218.977 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(77, 179, 199) }
```

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

```
.border{ border-color:rgb(77, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(77, 179,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 30.205, 218.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 179, 199) }
```

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

```
.background{ background-color: rgb(77, 179,  
199) }
```

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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