

Converting Colors

CIELCh(68, 32.527, 220.408)

Have a look what the booklet for
CIELCh(68, 32.527, 220.408)
contains.

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Color

CIELCh(68, 32.622, 220.350)

Conversions

Conversions Part 1

Format	Color
Hex	40B4CB
RGB	64, 180, 203
RGB Percent	25%, 71%, 80%
CMY	0.7498, 0.2947, 0.2045
CMYK	0.69, 0.11, 0.00, 0.20
HSL	190°, 57%, 52%
HSV	190°, 69%, 80%
XYZ	29.1555, 37.9720, 62.2004
YIQ	147.9380, -76.5190, -17.4390

Conversions

Conversions Part 2

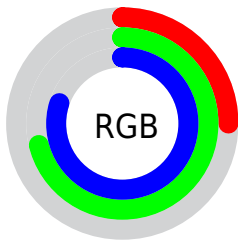
Format	Color
RYB	64, 127, 203
Decimal	4240587
CIELab	68.00, -24.86, -21.12
CIELCh	68, 32.622, 220.350
Yxy	37.9720, 0.2254, 0.2936
Android (android.graphics.Color)	4282430667 (0xFF40B4CB)
YUV	147.9380, 27.1456, -73.6136
Hunter-Lab	61.6215, -23.3823, -16.7120

Details

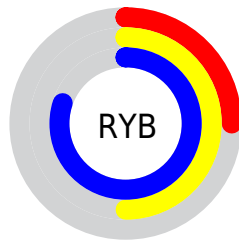
The CIELCh color **68, 32.622, 220.350** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **52, 57.377, 38.894**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 32.251, 215.646**, and **49, 29.224, 223.625** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.655, 222.310**, and if you desaturate by 10%, it is **70, 29.778, 218.836**.

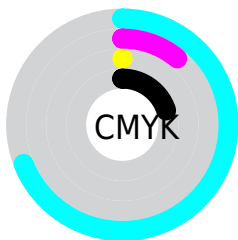
Distribution



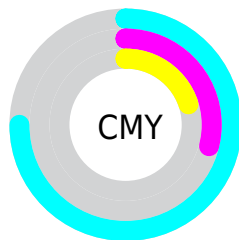
- Red (25%)
- Green (71%)
- Blue (80%)



- Red (25%)
- Yellow (50%)
- Blue (80%)



- Cyan (69%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)





- Cyan (75%)
- Magenta (29%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 32.622, 220.350 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, 32.622, 220.350 by changing the saturation by 10% instead.


 68, 32.622,
220.350


 68, 32.622,
220.350


 100, 32.622,
220.350


 58, 32.622,
220.350


 88, 32.622,
220.350

 48, 32.622,
220.350

 98, 32.622,
220.350

 38, 32.622,
220.350

 28, 32.622,
220.350

 18, 32.622,
220.350

 8, 32.622, 220.350

 0, 32.622, 220.350

■ 68, 32.622,
220.350

■ 68, 32.622,
220.350

■ 67, 34.655,
222.310

■ 70, 29.778,
218.836

■ 65, 35.918,
224.786

■ 71, 26.149,
217.698

■ 64, 36.565,
227.780

■ 73, 21.799,
216.869

■ 64, 36.647,
228.230

■ 75, 16.817,
216.292

■ 77, 11.303,
215.921

■ 80, 5.356, 215.744

■ 82, 0.934, 34.936

■ 84, 7.484, 35.442

Harmonies

Complementary

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



68, 32.622, 220.350



52, 57.377, 38.894

Rectangle

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



68, 32.622, 220.350



68, 32.622, 270.350



68, 32.622, 40.350



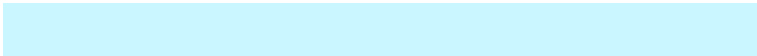
68, 32.622, 90.350

Sweetspot

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



68, 32.621, 220.349



94, 15.280, 216.004



72, 77.170, 141.993



49, 10.246, 216.103



0, 0.000, 0.000



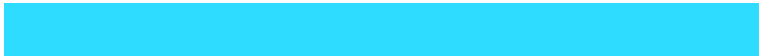
53, 0.007, 296.813

Same Dimension

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



68, 32.621, 220.349



81, 41.966, 223.371



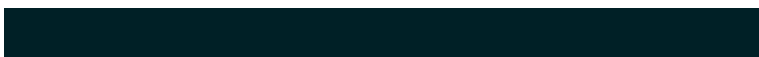
48, 53.534, 284.534



42, 3.565, 215.749



53, 31.537, 227.712



10, 11.822, 220.430

Inverse Universe

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



51, 74.294, 333.760



60, 97.789, 334.806



67, 53.516, 80.327



40, 6.723, 329.887



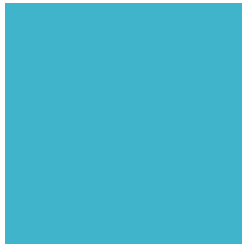
38, 73.650, 336.047



5, 25.374, 333.763

Previews

White Background



This preview shows how the CIE LCh color 68, 32.622, 220.350 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, 32.622, 220.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

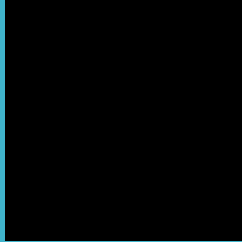
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 32.622, 220.350

Background



This preview shows how black text looks on a background with the CIELCh color 68, 32.622, 220.350.

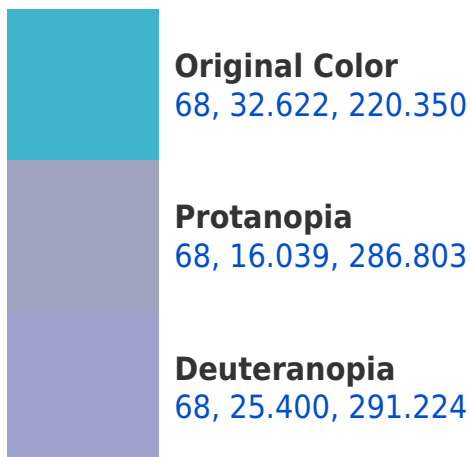


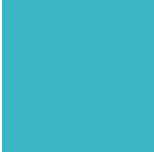
This preview shows how white text looks on a background with the CIELCh color 68, 32.622, 220.350.

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
68, 32.981, 211.699

Trichromacy



Original Color
68, 32.622, 220.350



Protanomaly
67, 20.383, 245.978



Deuteranomaly
67, 24.146, 257.151



Tritanomaly
68, 32.875, 213.809

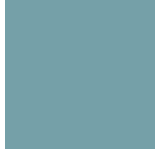
Monochromacy



Original Color
68, 32.622, 220.350



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 15.340, 215.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 32.622, 220.350 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(64, 180, 203)` looks like.

```
.text, #text, p{  
    color:rgb(64, 180, 203)  
}
```

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(64, 180, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 180, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 32.622, 220.350 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(64, 180, 203) }
```

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

```
.border{ border-color:rgb(64, 180, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 180, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 180, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 180, 203);  
box-shadow:4px 4px 4px 4px rgb(64, 180,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 32.622, 220.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 180, 203) }
```

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

```
.background{ background-color: rgb(64, 180,  
203) }
```

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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