

Converting Colors

CIELCh(68, 32.945, 232.625)

Have a look what the booklet for
CIELCh(68, 32.945, 232.625)
contains.

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Color

CIELCh(68, 32.945, 232.625)

Conversions

Conversions Part 1

Format	Color
Hex	47B2D4
RGB	71, 178, 212
RGB Percent	28%, 70%, 83%
CMY	0.7211, 0.3017, 0.1683
CMYK	0.66, 0.16, 0.00, 0.17
HSL	194°, 62%, 56%
HSV	194°, 66%, 83%
XYZ	30.4351, 37.9720, 68.0647
YIQ	149.8830, -74.6860, -12.1100

Conversions

Conversions Part 2

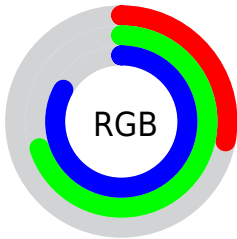
Format	Color
R_{YB}	71, 132, 212
Decimal	4698836
CIE _{Lab}	68.00, -20.00, -26.18
CIE _{LCh}	68, 32.945, 232.625
Yxy	37.9720, 0.2230, 0.2782
Android (android.graphics.Color)	4282888916 (0xFF47B2D4)
YUV	149.8830, 30.6237, -69.1804
Hunter-Lab	61.6215, -19.6756, -22.3544

Details

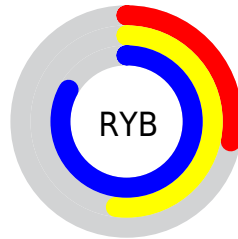
The CIELCh color **68, 32.945, 232.625** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **57, 55.015, 44.102**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 30.725, 218.814**, and **48, 30.600, 235.852** is the 20% darker color. If you saturate the color by 10%, you get **66, 35.573, 235.517**, and if you desaturate by 10%, it is **70, 29.617, 230.324**.

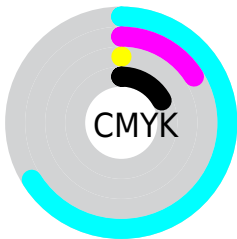
Distribution



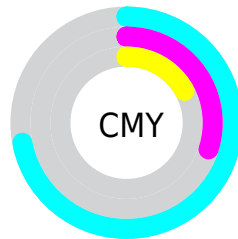
- Red (28%)
- Green (70%)
- Blue (83%)



- Red (28%)
- Yellow (52%)
- Blue (83%)



- Cyan (66%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)





- Cyan (72%)
- Magenta (30%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 32.945, 232.625 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, 32.945, 232.625 by changing the saturation by 10% instead.


 68, 32.945,
232.625


 68, 32.945,
232.625


 100, 32.945,
232.625


 58, 32.945,
232.625


 88, 32.945,
232.625

 48, 32.945,
232.625

 98, 32.945,
232.625

 38, 32.945,
232.625

 28, 32.945,
232.625

 18, 32.945,
232.625

 8, 32.945, 232.625

 0, 32.945, 232.625

■ 68, 32.945,
232.625

■ 68, 32.945,
232.625

■ 66, 35.573,
235.517

■ 70, 29.617,
230.324

■ 64, 37.558,
239.075

■ 72, 25.604,
228.525

■ 62, 39.038,
243.313

■ 75, 20.959,
227.137

■ 62, 39.532,
244.872

■ 78, 15.763,
226.082

■ 80, 10.104,
225.299

■ 83, 4.070, 224.784

■ 86, 2.260, 43.965

■ 89, 8.816, 43.836

Harmonies

Complementary

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



68, 32.945, 232.625



57, 55.015, 44.102

Rectangle

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



68, 32.945, 232.625



68, 32.945, 282.625



68, 32.945, 52.625



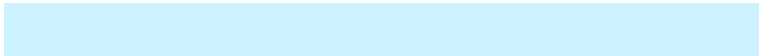
68, 32.945, 102.625

Sweetspot

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



68, 32.944, 232.624



93, 14.099, 225.563



76, 73.557, 144.822



49, 9.538, 225.786



0, 0.000, 0.000



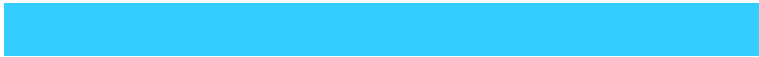
53, 0.007, 296.813

Same Dimension

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



68, 32.944, 232.624



77, 41.962, 236.988



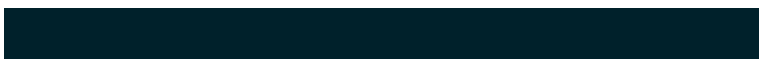
48, 60.757, 289.456



44, 3.574, 224.900



50, 33.529, 244.119



11, 12.740, 234.708

Inverse Universe

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



54, 71.675, 336.987



60, 91.973, 338.445



73, 56.405, 87.451



42, 6.633, 332.587



38, 71.215, 340.681



6, 27.600, 337.905

Previews

White Background



This preview shows how the CIELCh color 68, 32.945, 232.625 looks on a white background.

Color Contrast Check

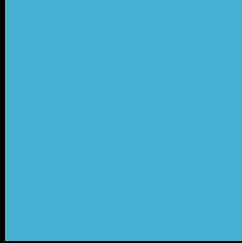
Large Text (above 18pt) WCAG AA × Fail

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, 32.945, 232.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

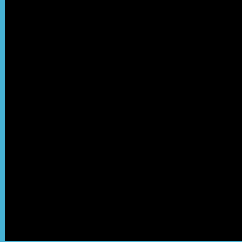
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 32.945, 232.625

Background



This preview shows how black text looks on a background with the CIELCh color 68, 32.945, 232.625.

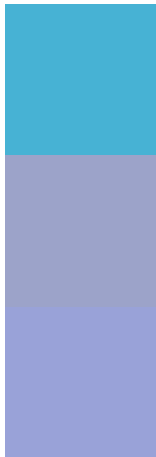


This preview shows how white text looks on a background with the CIELCh color 68, 32.945, 232.625.

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

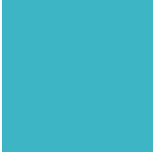
68, 32.945, 232.625

Protanopia

68, 21.042, 285.814

Deuteranopia

68, 29.847, 287.565



Tritanopia
68, 32.702, 211.846

Trichromacy



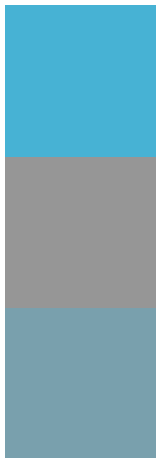
Original Color
68, 32.945, 232.625

Protanomaly
67, 23.999, 257.727

Deuteranomaly
67, 28.725, 264.208

Tritanomaly
68, 32.401, 219.440

Monochromacy



Original Color
68, 32.945, 232.625

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 14.979, 227.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 32.945, 232.625 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(71, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(71, 178, 212)  
}
```

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(71, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 178, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 32.945, 232.625 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(71, 178, 212) }
```

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

```
.border{ border-color:rgb(71, 178, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 178, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(71, 178,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 32.945, 232.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 178, 212) }
```

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

```
.background{ background-color: rgb(71, 178,  
212) }
```

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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