

Converting Colors

CIELCh(67, 35.456, 217.213)

Have a look what the booklet for
CIELCh(67, 35.456, 217.213)
contains.

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Color

CIELCh(67, 35.539, 217.196)

Conversions

Conversions Part 1

Format	Color
Hex	21B3C9
RGB	33, 179, 201
RGB Percent	13%, 70%, 79%
CMY	0.8695, 0.2994, 0.2131
CMYK	0.83, 0.11, 0.00, 0.21
HSL	188°, 72%, 46%
HSV	188°, 83%, 79%
XYZ	27.1890, 36.6320, 60.6830
YIQ	137.8540, -94.0780, -24.1100

Conversions

Conversions Part 2

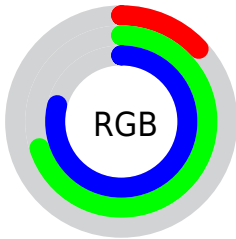
Format	Color
R _Y B	33, 111, 201
Decimal	2208713
CIE Lab	67.00, -28.31, -21.48
CIE LCh	67, 35.539, 217.196
Yxy	36.6320, 0.2184, 0.2942
Android (android.graphics.Color)	4280398793 (0xFF21B3C9)
YUV	137.8540, 31.1310, -91.9570
Hunter-Lab	60.5244, -25.7310, -17.0784

Details

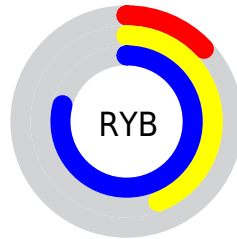
The CIELCh color **67, 35.539, 217.196** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **46, 72.577, 39.434**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 35.377, 214.744**, and **48, 28.974, 222.579** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.328, 219.280**, and if you desaturate by 10%, it is **68, 33.975, 215.543**.

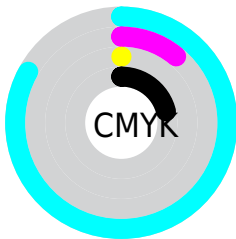
Distribution



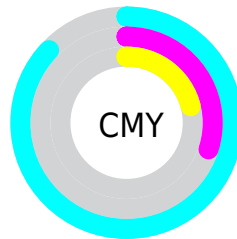
- Red (13%)
- Green (70%)
- Blue (79%)



- Red (13%)
- Yellow (44%)
- Blue (79%)



- Cyan (83%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)





- Cyan (87%)
- Magenta (30%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 35.539, 217.196 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 67, 35.539, 217.196 by changing the saturation by 10% instead.


 67, 35.539,
217.196


 67, 35.539,
217.196


 100, 35.539,
217.196


 57, 35.539,
217.196


 87, 35.539,
217.196

 47, 35.539,
217.196

 97, 35.539,
217.196

 37, 35.539,
217.196

 27, 35.539,
217.196

 17, 35.539,
217.196

 7, 35.539, 217.196

 0, 35.539, 217.196

■ 67, 35.539,
217.196

■ 67, 35.539,
217.196

■ 66, 36.328,
219.280

■ 68, 33.975,
215.543

■ 65, 36.573,
220.837

■ 69, 31.573,
214.274

■ 71, 28.335,
213.335

■ 72, 24.312,
212.671

■ 74, 19.586,
212.234

■ 76, 14.258,
211.983

■ 78, 8.431, 211.894

■ 80, 2.206, 212.078

Harmonies

Complementary

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



67, 35.539, 217.196



46, 72.577, 39.434

Rectangle

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



67, 35.539, 217.196



67, 35.539, 267.196



67, 35.539, 37.196



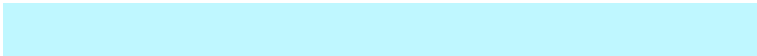
67, 35.539, 87.196

Sweetspot

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



67, 35.538, 217.195



94, 18.362, 212.019



71, 89.644, 139.002



49, 12.363, 212.100



0, 0.000, 0.000



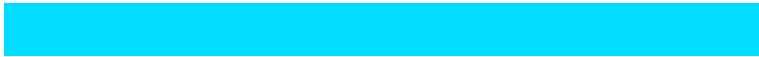
53, 0.007, 296.813

Same Dimension

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



67, 35.538, 217.195



81, 43.777, 221.233



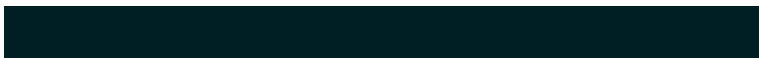
43, 62.093, 287.411



41, 3.576, 211.908



54, 31.397, 220.424



10, 11.531, 214.560

Inverse Universe

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



48, 83.706, 333.257



59, 104.056, 334.400



62, 62.280, 74.752



39, 6.744, 328.769



37, 74.737, 334.198



4, 23.858, 331.863

Previews

White Background



This preview shows how the CIELCh color 67, 35.539, 217.196 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 67, 35.539, 217.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

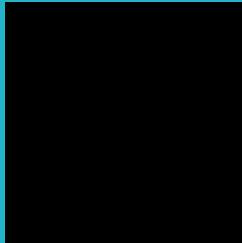
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 35.539, 217.196

Background



This preview shows how black text looks on a background with the CIELCh color 67, 35.539, 217.196.



This preview shows how white text looks on a background with the CIELCh color 67, 35.539, 217.196.

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
67, 35.612, 217.148

Protanopia
66, 15.522, 287.877

Deuteranopia
67, 25.472, 289.762



Tritanopia
67, 36.315, 209.181

Trichromacy



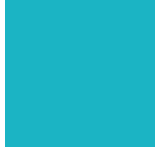
Original Color
67, 35.612, 217.148



Protanomaly
66, 22.078, 239.432



Deuteranomaly
66, 25.857, 251.567



Tritanomaly
67, 36.088, 211.136

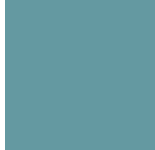
Monochromacy



Original Color
67, 35.612, 217.148



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 18.255, 212.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 35.539, 217.196 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, 179, 201)` looks like.

```
.text, #text, p{  
    color:rgb(33, 179, 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, 179, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 179, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 35.539, 217.196 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, 179, 201) }
```

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

```
.border{ border-color:rgb(33, 179, 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, 179, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 179, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 179, 201);  
box-shadow:4px 4px 4px 4px rgb(33, 179,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 35.539, 217.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 179, 201) }
```

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

```
.background{ background-color: rgb(33, 179,  
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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