

Converting Colors

CIELCh(67, 29.256, 195.996)

Have a look what the booklet for
CIELCh(67, 29.256, 195.996)
contains.

CIELCh(67, 29.428, 195.965)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 29.428, 195.965)

Conversions

Conversions Part 1

Format	Color
Hex	52B2B1
RGB	82, 178, 177
RGB Percent	32%, 70%, 69%
CMY	0.6800, 0.3034, 0.3073
CMYK	0.54, 0.00, 0.01, 0.30
HSL	179°, 38%, 51%
HSV	179°, 54%, 70%
XYZ	27.1931, 36.6320, 47.0441
YIQ	149.1820, -56.8950, -20.6630

Conversions

Conversions Part 2

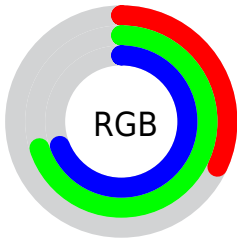
Format	Color
R _Y B	82, 130, 178
Decimal	5419697
CIE Lab	67.00, -28.29, -8.09
CIE LCh	67, 29.428, 195.965
Yxy	36.6320, 0.2453, 0.3304
Android (android.graphics.Color)	4283609777 (0xFF52B2B1)
YUV	149.1820, 13.7143, -58.9186
Hunter-Lab	60.5244, -25.7190, -3.7176

Details

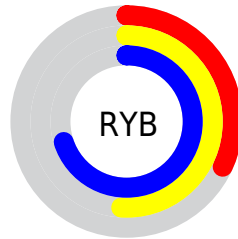
The CIELCh color **67, 29.428, 195.965** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47, 43.293, 25.149**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 29.273, 196.456**, and **47, 29.381, 196.403** is the 20% darker color. If you saturate the color by 10%, you get **66, 32.802, 195.631**, and if you desaturate by 10%, it is **68, 25.280, 196.347**.

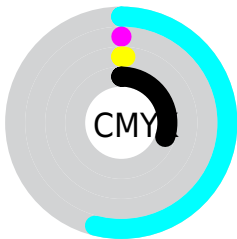
Distribution



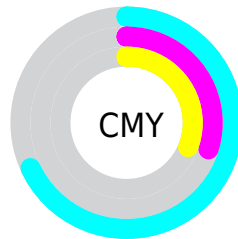
- Red (32%)
- Green (70%)
- Blue (69%)



- Red (32%)
- Yellow (51%)
- Blue (70%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)




- Cyan (68%)
- Magenta (30%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 29.428, 195.965 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, 29.428, 195.965 by changing the saturation by 10% instead.

 67, 29.428,
195.965


 67, 29.428,
195.965


 100, 29.428,
195.965


 57, 29.428,
195.965


 87, 29.428,
195.965

 47, 29.428,
195.965

 97, 29.428,
195.965

 37, 29.428,
195.965

 27, 29.428,
195.965

 17, 29.428,
195.965

 7, 29.428, 195.965

 0, 29.428, 195.965

67, 29.428,
195.965

67, 29.428,
195.965

66, 32.802,
195.631

68, 25.280,
196.347

66, 35.363,
195.349

69, 20.433,
196.783

66, 37.116,
195.113

69, 14.979,
197.269

66, 38.117,
194.915

71, 9.023, 197.810

72, 2.669, 198.496

66, 38.500,
194.808

73, 3.985, 18.762

75, 10.852, 19.445

77, 17.859, 20.082

78, 24.945, 20.718

Harmonies

Complementary

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



67, 29.428, 195.965



47, 43.293, 25.149

Rectangle

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



67, 29.428, 195.965



67, 29.428, 245.965



67, 29.428, 15.965



67, 29.428, 65.965

Sweetspot

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



67, 29.428, 195.963



89, 12.681, 197.684



65, 62.305, 139.661



48, 8.579, 197.572



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 29.428, 195.963



85, 40.793, 195.568



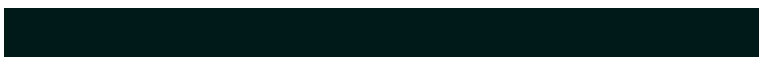
53, 29.756, 264.016



37, 3.694, 198.095



57, 34.484, 194.826



7, 9.148, 197.849

Inverse Universe

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



47, 43.293, 25.149



56, 66.210, 28.326



58, 35.390, 67.067



35, 3.910, 19.070



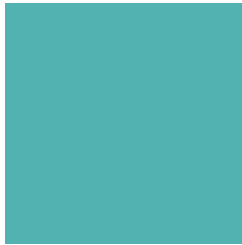
31, 70.541, 39.112



2, 9.158, 18.736

Previews

White Background



This preview shows how the CIELCh color 67, 29.428, 195.965 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, 29.428, 195.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

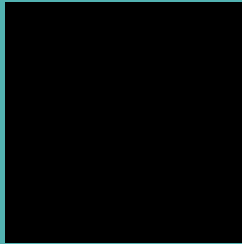
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

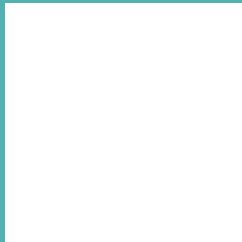
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 29.428, 195.965

Background



This preview shows how black text looks on a background with the CIELCh color 67, 29.428, 195.965.



This preview shows how white text looks on a background with the CIELCh color 67, 29.428, 195.965.

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
67, 27.327, 214.021

Trichromacy



Original Color
67, 29.428, 195.965



Protanomaly
66, 12.185, 208.976



Deuteranomaly
66, 12.275, 238.156



Tritanomaly
67, 27.900, 206.467

Monochromacy



Original Color
67, 29.428, 195.965



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 12.592, 198.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 29.428, 195.965 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(82, 178, 177)` looks like.

```
.text, #text, p{  
  color:rgb(82, 178, 177)  
}
```

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(82, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 178, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 29.428, 195.965 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(82, 178, 177) }
```

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

```
.border{ border-color:rgb(82, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(82, 178,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 29.428, 195.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 178, 177) }
```

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

```
.background{ background-color: rgb(82, 178,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor