

Converting Colors

CIELCh(60, 33.553, 214.687)

Have a look what the booklet for
CIELCh(60, 33.553, 214.687)
contains.

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Color

CIELCh(60, 33.517, 214.710)

Conversions

Conversions Part 1

Format	Color
Hex	0C9FB1
RGB	12, 159, 177
RGB Percent	5%, 62%, 69%
CMY	0.9535, 0.3757, 0.3051
CMYK	0.93, 0.10, 0.00, 0.31
HSL	187°, 87%, 37%
HSV	187°, 93%, 69%
XYZ	20.5371, 28.1233, 46.0452
YIQ	117.0990, -93.3900, -25.5660

Conversions

Conversions Part 2

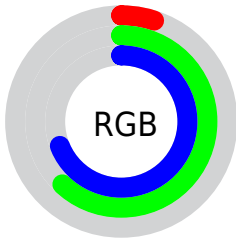
Format	Color
RYB	12, 90, 177
Decimal	827313
CIELab	60.00, -27.55, -19.09
CIElCh	60, 33.517, 214.710
Yxy	28.1233, 0.2169, 0.2970
Android (android.graphics.Color)	4279017393 (0xFF0C9FB1)
YUV	117.0990, 29.5312, -92.1718
Hunter-Lab	53.0314, -23.6787, -14.3573

Details

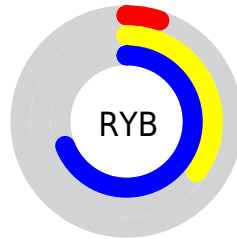
The CIELCh color **60, 33.517, 214.710** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 73.681, 40.165**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 33.446, 215.136**, and **41, 25.682, 220.919** is the 20% darker color. If you saturate the color by 10%, you get **60, 33.761, 215.926**, and if you desaturate by 10%, it is **61, 32.774, 213.101**.

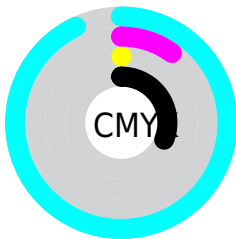
Distribution



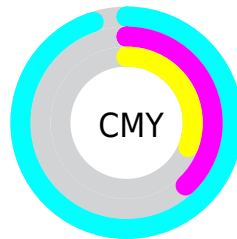
- Red (5%)
- Green (62%)
- Blue (69%)



- Red (5%)
- Yellow (35%)
- Blue (69%)



- Cyan (93%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)





- Cyan (95%)
- Magenta (38%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 33.517, 214.710 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 60, 33.517, 214.710 by changing the saturation by 10% instead.


 60, 33.517,
214.710


 60, 33.517,
214.710


 100, 33.517,
214.710


 50, 33.517,
214.710


 80, 33.517,
214.710

 40, 33.517,
214.710

 90, 33.517,
214.710

 30, 33.517,
214.710

 20, 33.517,
214.710

 10, 33.517,
214.710

 0, 33.517, 214.710

 60, 33.517,

 60, 33.517,

214.710

214.710

■ 60, 33.761,
215.926

■ 61, 32.774,
213.101

■ 62, 31.309,
211.841

■ 63, 29.070,
210.892

■ 64, 26.065,
210.211

■ 65, 22.342,
209.757

■ 67, 17.978,
209.492

■ 68, 13.064,
209.385

■ 70, 7.694, 209.416

Harmonies

Complementary

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



60, 33.517, 214.710



38, 73.681, 40.165

Rectangle

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



60, 33.517, 214.710



60, 33.517, 264.710



60, 33.517, 34.710



60, 33.517, 84.710

Sweetspot

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



60, 33.516, 214.709



85, 19.012, 209.422



63, 86.849, 137.542



44, 12.896, 209.481



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



60, 33.516, 214.709



76, 40.916, 216.304



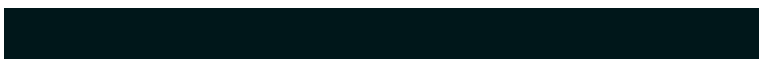
35, 61.486, 289.750



37, 3.331, 209.474



52, 30.323, 215.672



6, 7.930, 214.783

Inverse Universe

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



41, 79.853, 332.741



53, 97.868, 333.179



53, 60.685, 71.172



35, 6.265, 328.052



35, 72.557, 333.024



2, 14.547, 329.180

Previews

White Background



This preview shows how the CIE LCh color 60, 33.517, 214.710 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 33.517, 214.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

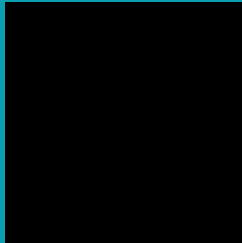
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

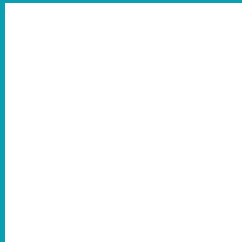
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 33.517, 214.710

Background



This preview shows how black text looks on a background with the CIELCh color 60, 33.517, 214.710.



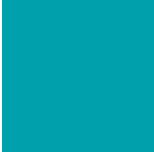
This preview shows how white text looks on a background with the CIELCh color 60, 33.517, 214.710.

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
60, 34.118, 209.255

Trichromacy



Original Color
60, 33.479, 214.733



Protanomaly
58, 21.059, 234.825



Deuteranomaly
59, 24.341, 247.026



Tritanomaly
60, 33.922, 211.370

Monochromacy



Original Color
60, 33.479, 214.733



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 18.243, 210.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 33.517, 214.710 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(12, 159, 177)` looks like.

```
.text, #text, p{  
    color:rgb(12, 159, 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(12, 159, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 159, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 33.517, 214.710 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(12, 159, 177) }
```

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

```
.border{ border-color:rgb(12, 159, 177) }
```

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

Here you see how a box with a 4 pixel rgb(12, 159, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 159, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 159, 177);  
box-shadow:4px 4px 4px 4px rgb(12, 159,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 33.517, 214.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 159, 177) }
```

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

```
.background{ background-color: rgb(12, 159,  
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](#).

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