

Converting Colors

CIELCh(60, 33.273, 213.545)

Have a look what the booklet for
CIELCh(60, 33.273, 213.545)
contains.

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Color

CIELCh(60, 33.242, 213.827)

Conversions

Conversions Part 1

Format	Color
Hex	129FB0
RGB	18, 159, 176
RGB Percent	7%, 62%, 69%
CMY	0.9310, 0.3758, 0.3091
CMYK	0.90, 0.10, 0.00, 0.31
HSL	186°, 82%, 38%
HSV	186°, 90%, 69%
XYZ	20.5243, 28.1233, 45.5136
YIQ	118.7790, -89.4930, -24.6050

Conversions

Conversions Part 2

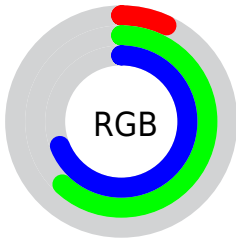
Format	Color
R_{YB}	18, 93, 176
Decimal	1220528
CIE _{Lab}	60.00, -27.61, -18.51
CIE _{LCh}	60, 33.242, 213.827
Yxy	28.1233, 0.2180, 0.2987
Android (android.graphics.Color)	4279410608 (0xFF129FB0)
YUV	118.7790, 28.2100, -88.3832
Hunter-Lab	53.0314, -23.7218, -13.7629

Details

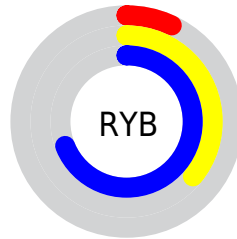
The CIELCh color **60, 33.242, 213.827** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 71.146, 39.595**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 33.221, 214.284**, and **41, 25.609, 219.466** is the 20% darker color. If you saturate the color by 10%, you get **59, 33.656, 215.576**, and if you desaturate by 10%, it is **61, 32.273, 212.367**.

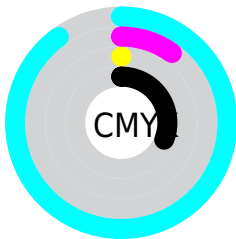
Distribution



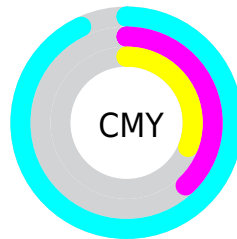
- Red (7%)
- Green (62%)
- Blue (69%)



- Red (7%)
- Yellow (36%)
- Blue (69%)



- Cyan (90%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)





- Cyan (93%)
- Magenta (38%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 33.242, 213.827 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, 33.242, 213.827 by changing the saturation by 10% instead.


 60, 33.242,
213.827


 60, 33.242,
213.827


 100, 33.242,
213.827


 50, 33.242,
213.827


 80, 33.242,
213.827

 40, 33.242,
213.827

 90, 33.242,
213.827


 30, 33.242,
213.827

 20, 33.242,
213.827

 10, 33.242,
213.827

 0, 33.242, 213.827

 60, 33.242,

 60, 33.242,

213.827

213.827

■ 59, 33.656,
215.576

■ 61, 32.273,
212.367

■ 62, 30.560,
211.239

■ 63, 28.073,
210.403

■ 64, 24.835,
209.818

■ 65, 20.904,
209.444

■ 67, 16.364,
209.245

■ 68, 11.305,
209.193

■ 70, 5.824, 209.283

Harmonies

Complementary

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



60, 33.242, 213.827



39, 71.146, 39.595

Rectangle

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



60, 33.242, 213.827



60, 33.242, 263.827



60, 33.242, 33.827



60, 33.242, 83.827

Sweetspot

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



60, 33.241, 213.826



85, 18.428, 209.219



63, 85.066, 137.921



44, 12.248, 209.255



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, 33.241, 213.826



76, 40.961, 215.956



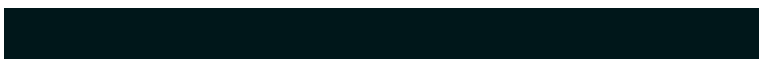
36, 58.872, 288.427



37, 3.335, 209.296



52, 30.357, 215.336



6, 7.943, 214.522

Inverse Universe

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



42, 78.978, 332.494



53, 97.998, 333.094



53, 59.157, 71.986



35, 6.272, 328.000



35, 72.651, 332.941



2, 14.571, 329.102

Previews

White Background



This preview shows how the CIELCh color 60, 33.242, 213.827 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, 33.242, 213.827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

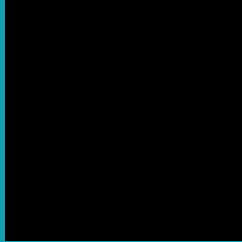
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

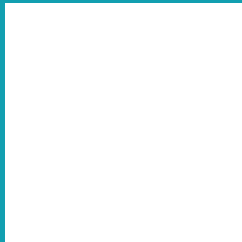
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 33.242, 213.827

Background



This preview shows how black text looks on a background with the CIELCh color 60, 33.242, 213.827.

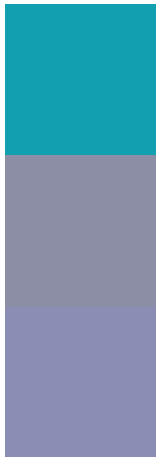


This preview shows how white text looks on a background with the CIELCh color 60, 33.242, 213.827.

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

60, 33.191, 213.858

Protanopia

60, 13.027, 288.456

Deuteranopia

60, 22.070, 290.841



Tritanopia
60, 34.008, 209.305

Trichromacy



Original Color
60, 33.191, 213.858



Protanomaly
58, 20.373, 234.269



Deuteranomaly
59, 23.481, 247.312



Tritanomaly
60, 33.797, 210.415

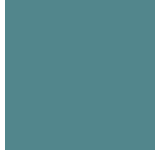
Monochromacy



Original Color
60, 33.191, 213.858



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 17.942, 209.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 33.242, 213.827 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(18, 159, 176)` looks like.

```
.text, #text, p{  
    color:rgb(18, 159, 176)  
}
```

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(18, 159, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 159, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 33.242, 213.827 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(18, 159, 176) }
```

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

```
.border{ border-color:rgb(18, 159, 176) }
```

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

Here you see how a box with a 4 pixel rgb(18, 159, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 159, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 159, 176);  
box-shadow:4px 4px 4px 4px rgb(18, 159,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 33.242, 213.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 159, 176) }
```

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

```
.background{ background-color: rgb(18, 159,  
176) }
```

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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