

Converting Colors

CIELCh(58, 32.421, 221.402)

Have a look what the booklet for
CIELCh(58, 32.421, 221.402)
contains.

CIELCh(58, 32.458, 221.056)	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(58, 32.458, 221.056)

Conversions

Conversions Part 1

Format	Color
Hex	1299B0
RGB	18, 153, 176
RGB Percent	7%, 60%, 69%
CMY	0.9282, 0.4009, 0.3108
CMYK	0.90, 0.13, 0.00, 0.31
HSL	189°, 81%, 38%
HSV	189°, 90%, 69%
XYZ	19.4196, 25.9610, 44.9359
YIQ	115.2570, -87.8430, -21.4670

Conversions

Conversions Part 2

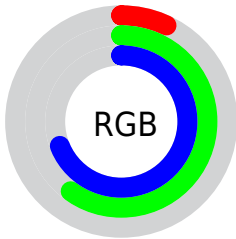
Format	Color
R_{YB}	18, 91, 176
Decimal	1218992
CIE _{Lab}	58.00, -24.48, -21.32
CIE _{LCh}	58, 32.458, 221.056
Yxy	25.9610, 0.2150, 0.2874
Android (android.graphics.Color)	4279409072 (0xFF1299B0)
YUV	115.2570, 29.9463, -85.2944
Hunter-Lab	50.9519, -21.1332, -16.6231

Details

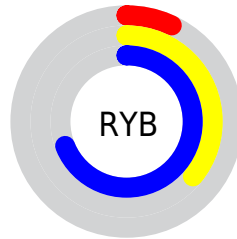
The CIELCh color **58, 32.458, 221.056** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 69.579, 40.837**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 32.638, 220.889**, and **39, 25.380, 227.892** is the 20% darker color. If you saturate the color by 10%, you get **57, 32.980, 223.587**, and if you desaturate by 10%, it is **59, 31.409, 218.933**.

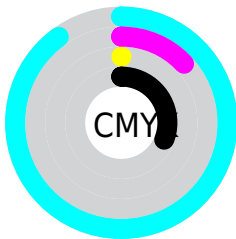
Distribution



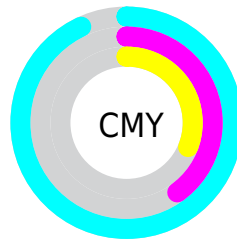
- Red (7%)
- Green (60%)
- Blue (69%)



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



- Cyan (90%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)





- Cyan (93%)
- Magenta (40%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 32.458, 221.056 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 58, 32.458, 221.056 by changing the saturation by 10% instead.


 58, 32.458,
221.056


 58, 32.458,
221.056


 100, 32.458,
221.056


 48, 32.458,
221.056


 78, 32.458,
221.056

 38, 32.458,
221.056

 88, 32.458,
221.056

 28, 32.458,
221.056

 98, 32.458,
221.056

 18, 32.458,
221.056

 8, 32.458, 221.056

 0, 32.458, 221.056

■ 58, 32.458,
221.056

■ 58, 32.458,
221.056

■ 57, 32.980,
223.587

■ 59, 31.409,
218.933

■ 57, 33.000,
223.694

■ 60, 29.656,
217.261

■ 61, 27.166,
215.981

■ 63, 23.962,
215.031

■ 64, 20.100,
214.354

■ 66, 15.661,
213.902

■ 68, 10.733,
213.634

■ 70, 5.405, 213.540

Harmonies

Complementary

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



58, 32.458, 221.056



39, 69.579, 40.837

Rectangle

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



58, 32.458, 221.056



58, 32.458, 271.056



58, 32.458, 41.056



58, 32.458, 91.056

Sweetspot

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



58, 32.457, 221.055



85, 17.895, 213.831



63, 83.378, 138.633



44, 11.896, 213.946



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



58, 32.457, 221.055



73, 40.263, 224.245



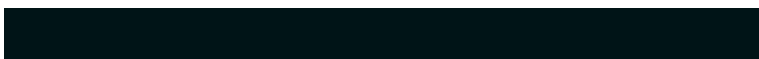
35, 61.891, 290.667



36, 3.160, 213.540



49, 29.443, 223.310



5, 6.599, 219.946

Inverse Universe

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



41, 76.551, 334.284



53, 95.049, 335.158



54, 59.004, 75.106



34, 5.959, 329.233



34, 69.670, 334.921



2, 12.015, 330.662

Previews

White Background



This preview shows how the CIELCh color 58, 32.458, 221.056 looks on a white background.

Color Contrast Check

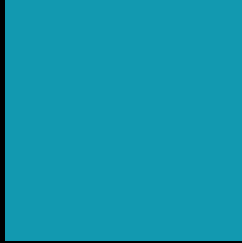
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 32.458, 221.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

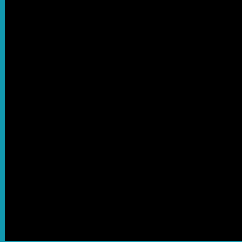
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 32.458, 221.056

Background



This preview shows how black text looks on a background with the CIELCh color 58, 32.458, 221.056.

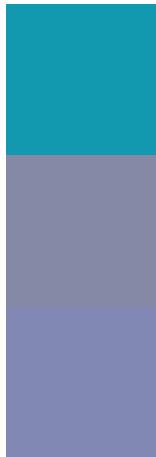


This preview shows how white text looks on a background with the CIELCh color 58, 32.458, 221.056.

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

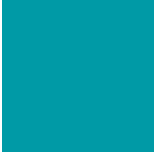
58, 32.510, 221.012

Protanopia

58, 15.983, 286.891

Deuteranopia

58, 25.088, 288.403



Tritanopia
58, 33.195, 208.673

Trichromacy



Original Color
58, 32.510, 221.012

Protanomaly
57, 21.635, 241.986

Deuteranomaly
57, 25.437, 252.965

Tritanomaly
58, 32.847, 213.055

Monochromacy



Original Color
58, 32.510, 221.012

Achromatopsia
48, 0.006, 296.813

Achromatomaly
51, 17.210, 213.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 32.458, 221.056 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, 153, 176)` looks like.

```
.text, #text, p{  
    color:rgb(18, 153, 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, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 153, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 32.458, 221.056 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, 153, 176) }
```

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

```
.border{ border-color:rgb(18, 153, 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, 153, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(18, 153,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 32.458, 221.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 153, 176) }
```

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

```
.background{ background-color: rgb(18, 153,  
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](#).

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