

Converting Colors

CIELCh(51, 28.965, 196.596)

Have a look what the booklet for
CIELCh(51, 28.965, 196.596)
contains.

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Color

CIELCh(51, 28.965, 196.596)

Conversions

Conversions Part 1

Format	Color
Hex	1F8787
RGB	31, 135, 135
RGB Percent	12%, 53%, 53%
CMY	0.8803, 0.4718, 0.4718
CMYK	0.77, 0.00, 0.00, 0.47
HSL	180°, 63%, 32%
HSV	180°, 77%, 53%
XYZ	13.5246, 19.2686, 25.8184
YIQ	103.9040, -61.9840, -22.0480

Conversions

Conversions Part 2

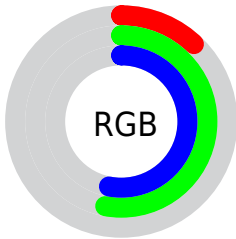
Format	Color
R_{YB}	31, 83, 135
Decimal	2066311
CIE _{Lab}	51.00, -27.76, -8.27
CIE _{LCh}	51, 28.965, 196.596
Yxy	19.2686, 0.2307, 0.3288
Android (android.graphics.Color)	4280256391 (0xFF1F8787)
YUV	103.9040, 15.3303, -63.9368
Hunter-Lab	43.8960, -21.8214, -4.1455

Details

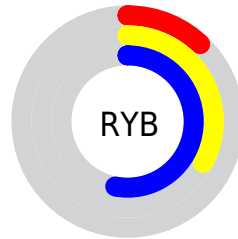
The CIELCh color **51, 28.965, 196.596** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **30, 51.319, 32.069**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 29.130, 196.089**, and **32, 22.528, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **51, 30.243, 196.477**, and if you desaturate by 10%, it is **51, 27.060, 196.772**.

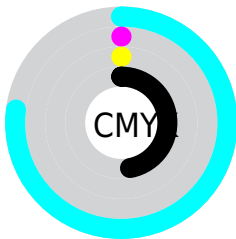
Distribution



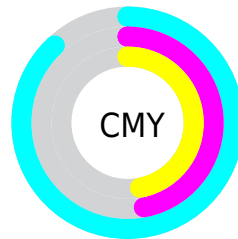
- Red (12%)
- Green (53%)
- Blue (53%)



- Red (12%)
- Yellow (33%)
- Blue (53%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (47%)





- Cyan (88%)
- Magenta (47%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 28.965, 196.596 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 51, 28.965, 196.596 by changing the saturation by 10% instead.


 51, 28.965,
196.596


 51, 28.965,
196.596


 100, 28.965,
196.596


 41, 28.965,
196.596


 71, 28.965,
196.596

 31, 28.965,
196.596

 81, 28.965,
196.596

 21, 28.965,
196.596

 91, 28.965,
196.596

 11, 28.965,
196.596

 1, 28.965, 196.596

 0, 28.965, 196.596

■ 51, 28.965,
196.596

■ 51, 28.965,
196.596

■ 51, 30.243,
196.477

■ 51, 27.060,
196.772

■ 51, 31.007,
196.407

■ 52, 24.519,
197.011

■ 51, 31.191,
196.390

■ 52, 21.365,
197.312

■ 53, 17.646,
197.673

■ 54, 13.431,
198.091

■ 54, 8.798, 198.565

■ 55, 3.825, 199.126

■ 56, 1.411, 19.260

Harmonies

Complementary

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



51, 28.965, 196.596



30, 51.319, 32.069

Rectangle

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



51, 28.965, 196.596



51, 28.965, 246.596



51, 28.965, 16.596



51, 28.965, 66.596

Sweetspot

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



51, 28.965, 196.595



69, 14.234, 198.265



49, 66.343, 137.610



36, 9.823, 198.119



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 28.965, 196.595



65, 37.505, 196.423



34, 34.098, 273.395



28, 2.886, 199.015



49, 30.408, 196.390



1, 0.707, 199.424

Inverse Universe

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



34, 64.930, 327.896



42, 86.082, 328.178



40, 41.801, 65.757



26, 5.272, 324.902



30, 70.123, 328.233



0, 1.256, 324.439

Previews

White Background



This preview shows how the CIELCh color 51, 28.965, 196.596 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 51, 28.965, 196.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

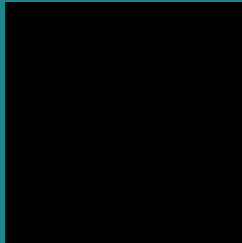
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 28.965, 196.596

Background



This preview shows how black text looks on a background with the CIELCh color 51, 28.965, 196.596.

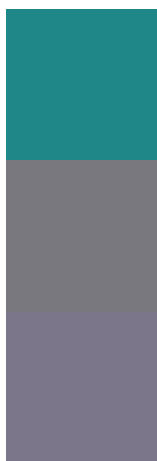


This preview shows how white text looks on a background with the CIELCh color 51, 28.965, 196.596.

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


51, 28.965, 196.596

Protanopia

51, 3.534, 297.039

Deuteranopia

51, 11.948, 302.658



Tritanopia
51, 26.835, 210.953

Trichromacy



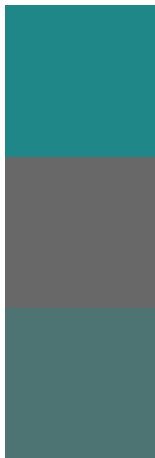
Original Color
51, 28.965, 196.596

Protanomaly
50, 13.491, 208.137

Deuteranomaly
50, 13.930, 231.704

Tritanomaly
51, 27.551, 205.431

Monochromacy



Original Color
51, 28.965, 196.596

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 13.984, 197.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 28.965, 196.596 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(31, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(31, 135, 135)  
}
```

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(31, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 135, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 28.965, 196.596 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(31, 135, 135) }
```

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

```
.border{ border-color:rgb(31, 135, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(31, 135,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 28.965, 196.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 135, 135) }
```

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

```
.background{ background-color: rgb(31, 135,  
135) }
```

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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