

Converting Colors

CIELCh(51, 27.854, 210.916)

Have a look what the booklet for
CIELCh(51, 27.854, 210.916)
contains.

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Color

CIELCh(51, 27.984, 210.262)

Conversions

Conversions Part 1

Format	Color
Hex	1D8691
RGB	29, 134, 145
RGB Percent	11%, 53%, 57%
CMY	0.8844, 0.4757, 0.4326
CMYK	0.80, 0.08, 0.00, 0.43
HSL	186°, 66%, 34%
HSV	186°, 80%, 57%
XYZ	14.0899, 19.2686, 29.6405
YIQ	103.8590, -66.1110, -18.8390

Conversions

Conversions Part 2

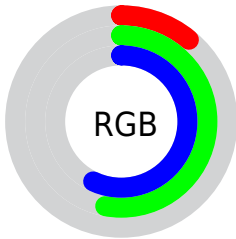
Format	Color
R_{YB}	29, 84, 145
Decimal	1934993
CIE _{Lab}	51.00, -24.17, -14.10
CIE _{LCh}	51, 27.984, 210.262
Yxy	19.2686, 0.2237, 0.3059
Android (android.graphics.Color)	4280125073 (0xFF1D8691)
YUV	103.8590, 20.2825, -65.6513
Hunter-Lab	43.8960, -19.5224, -9.3079

Details

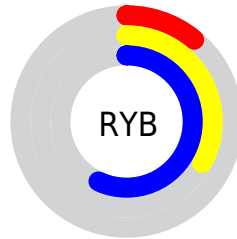
The CIELCh color **51, 27.984, 210.262** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 53.654, 36.689**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 28.257, 209.763**, and **32, 21.538, 215.927** is the 20% darker color. If you saturate the color by 10%, you get **50, 28.917, 211.449**, and if you desaturate by 10%, it is **52, 26.411, 209.354**.

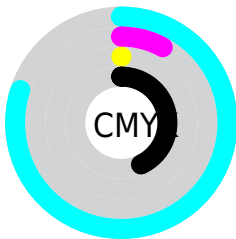
Distribution



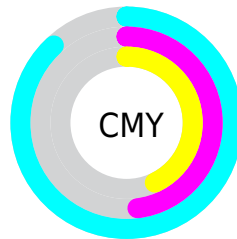
- Red (11%)
- Green (53%)
- Blue (57%)



- Red (11%)
- Yellow (33%)
- Blue (57%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)





- Cyan (88%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 27.984, 210.262 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, 27.984, 210.262 by changing the saturation by 10% instead.


 51, 27.984,
210.262


 51, 27.984,
210.262


 100, 27.984,
210.262


 41, 27.984,
210.262


 71, 27.984,
210.262

 31, 27.984,
210.262

 81, 27.984,
210.262

 21, 27.984,
210.262

 91, 27.984,
210.262

 11, 27.984,
210.262

 1, 27.984, 210.262

 0, 27.984, 210.262

■ 51, 27.984,
210.262

■ 51, 27.984,
210.262

■ 50, 28.917,
211.449

■ 52, 26.411,
209.354

■ 50, 29.394,
212.865

■ 53, 24.184,
208.697

■ 50, 29.411,
212.917

■ 54, 21.325,
208.254

■ 55, 17.887,
207.993

■ 56, 13.939,
207.885

■ 57, 9.558, 207.907

■ 59, 4.824, 208.060

■ 60, 0.189, 25.843

Harmonies

Complementary

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



51, 27.984, 210.262



33, 53.654, 36.689

Rectangle

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



51, 27.984, 210.262



51, 27.984, 260.262



51, 27.984, 30.262



51, 27.984, 80.262

Sweetspot

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



51, 27.983, 210.261



72, 14.282, 207.881



52, 68.551, 139.021



37, 9.670, 207.879



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



51, 27.983, 210.261



64, 35.585, 212.677



33, 42.751, 282.519



29, 2.801, 208.071



47, 28.001, 212.802



2, 1.937, 208.164

Inverse Universe

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



35, 65.301, 331.434



44, 84.961, 332.263



45, 45.836, 72.866



28, 5.253, 327.621



31, 67.028, 332.320



1, 3.528, 327.132

Previews

White Background



This preview shows how the CIELCh color 51, 27.984, 210.262 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, 27.984, 210.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

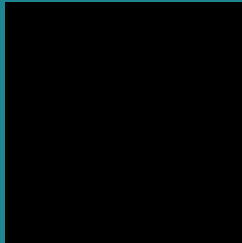
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 27.984, 210.262

Background



This preview shows how black text looks on a background with the CIELCh color 51, 27.984, 210.262.

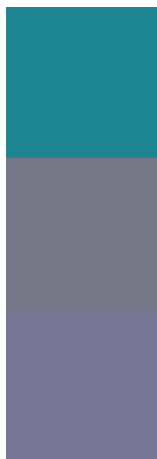


This preview shows how white text looks on a background with the CIELCh color 51, 27.984, 210.262.

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, 28.089, 210.202

Protanopia

51, 9.357, 286.735

Deuteranopia

51, 17.548, 293.581



Tritanopia
51, 28.089, 210.202

Trichromacy



Original Color
51, 28.089, 210.202

Protanomaly
50, 15.464, 230.454

Deuteranomaly
50, 18.064, 247.052

Tritanomaly
51, 28.089, 210.202

Monochromacy



Original Color
51, 28.089, 210.202

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 13.871, 207.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 27.984, 210.262 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(29, 134, 145)` looks like.

```
.text, #text, p{  
    color:rgb(29, 134, 145)  
}
```

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(29, 134, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 134, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 27.984, 210.262 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(29, 134, 145) }
```

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

```
.border{ border-color:rgb(29, 134, 145) }
```

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

Here you see how a box with a 4 pixel rgb(29, 134, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 134, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 134, 145);  
box-shadow:4px 4px 4px 4px rgb(29, 134,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 27.984, 210.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 134, 145) }
```

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

```
.background{ background-color: rgb(29, 134,  
145) }
```

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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