

Converting Colors

CIELCh(51, 27.007, 212.303)

Have a look what the booklet for
CIELCh(51, 27.007, 212.303)
contains.

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Color

CIELCh(51, 26.968, 212.190)

Conversions

Conversions Part 1

Format	Color
Hex	258591
RGB	37, 133, 145
RGB Percent	15%, 52%, 57%
CMY	0.8539, 0.4778, 0.4307
CMYK	0.74, 0.08, 0.00, 0.43
HSL	187°, 59%, 36%
HSV	187°, 74%, 57%
XYZ	14.3063, 19.2686, 29.8219
YIQ	105.6640, -61.0680, -16.6200

Conversions

Conversions Part 2

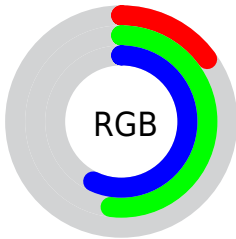
Format	Color
R_{YB}	37, 88, 145
Decimal	2459025
CIE _{Lab}	51.00, -22.82, -14.37
CIE _{LCh}	51, 26.968, 212.190
Yxy	19.2686, 0.2257, 0.3039
Android (android.graphics.Color)	4280649105 (0xFF258591)
YUV	105.6640, 19.3926, -60.2183
Hunter-Lab	43.8960, -18.6423, -9.5530

Details

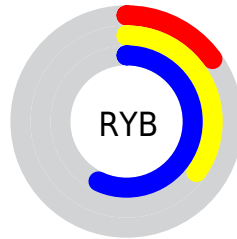
The CIELCh color **51, 26.968, 212.190** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **35, 49.355, 36.344**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 26.989, 212.905**, and **32, 21.408, 217.960** is the 20% darker color. If you saturate the color by 10%, you get **50, 28.227, 213.456**, and if you desaturate by 10%, it is **52, 25.062, 211.229**.

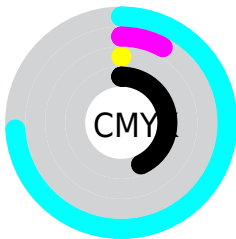
Distribution



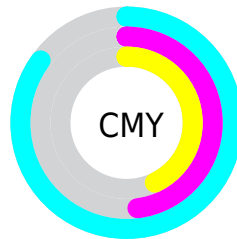
- Red (15%)
- Green (52%)
- Blue (57%)



- Red (15%)
- Yellow (35%)
- Blue (57%)



- Cyan (74%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)





- Cyan (85%)
- Magenta (48%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 26.968, 212.190 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, 26.968, 212.190 by changing the saturation by 10% instead.


 51, 26.968,
212.190


 51, 26.968,
212.190


 100, 26.968,
212.190


 41, 26.968,
212.190


 71, 26.968,
212.190

 31, 26.968,
212.190

 81, 26.968,
212.190

 21, 26.968,
212.190

 91, 26.968,
212.190

 11, 26.968,
212.190

 1, 26.968, 212.190

 0, 26.968, 212.190

■ 51, 26.968,
212.190

■ 51, 26.968,
212.190

■ 50, 28.227,
213.456

■ 52, 25.062,
211.229

■ 50, 28.885,
215.063

■ 53, 22.518,
210.534

■ 49, 29.145,
216.039

■ 54, 19.374,
210.062

■ 55, 15.692,
209.779

■ 57, 11.547,
209.651

■ 58, 7.018, 209.661

■ 60, 2.178, 209.882

■ 61, 2.902, 29.689



Harmonies

Complementary

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



51, 26.968, 212.190



35, 49.355, 36.344

Rectangle

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



51, 26.968, 212.190



51, 26.968, 262.190



51, 26.968, 32.190



51, 26.968, 82.190

Sweetspot

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



51, 26.967, 212.189



72, 13.009, 209.643



53, 64.906, 140.102



37, 8.644, 209.654



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, 26.967, 212.189



64, 34.843, 214.463



34, 41.002, 281.997



29, 2.764, 209.727



46, 27.681, 215.894



1, 1.912, 209.759

Inverse Universe

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



36, 62.341, 331.797



45, 82.729, 332.645



47, 43.265, 75.270



28, 5.196, 328.105



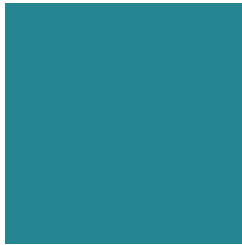
31, 66.228, 333.079



1, 3.489, 327.612

Previews

White Background



This preview shows how the CIE LCh color 51, 26.968, 212.190 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, 26.968, 212.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

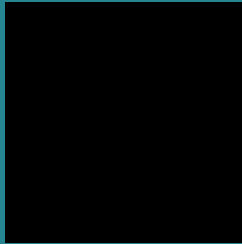
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 26.968, 212.190

Background



This preview shows how black text looks on a background with the CIELCh color 51, 26.968, 212.190.

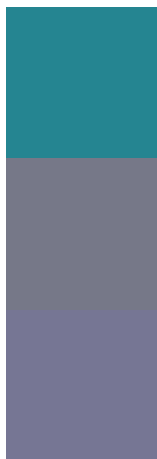


This preview shows how white text looks on a background with the CIELCh color 51, 26.968, 212.190.

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, 26.968, 212.190

Protanopia

51, 9.357, 286.735

Deuteranopia

51, 17.539, 292.401



Tritanopia
51, 27.096, 210.793

Trichromacy



Original Color
51, 26.968, 212.190

Protanomaly
50, 14.699, 232.412

Deuteranomaly
50, 17.490, 249.254

Tritanomaly
51, 27.096, 210.793

Monochromacy



Original Color
51, 26.968, 212.190

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 12.922, 208.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 26.968, 212.190 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(37, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(37, 133, 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(37, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 133, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 26.968, 212.190 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(37, 133, 145) }
```

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

```
.border{ border-color:rgb(37, 133, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 133, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 133, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 133, 145);  
box-shadow:4px 4px 4px 4px rgb(37, 133,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 26.968, 212.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 133, 145) }
```

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

```
.background{ background-color: rgb(37, 133,  
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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