

Converting Colors

CIELCh(51, 26.075, 216.125)

Have a look what the booklet for
CIELCh(51, 26.075, 216.125)
contains.

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Color

CIELCh(51, 26.199, 215.460)

Conversions

Conversions Part 1

Format	Color
Hex	2A8593
RGB	42, 133, 147
RGB Percent	16%, 52%, 58%
CMY	0.8334, 0.4799, 0.4250
CMYK	0.71, 0.10, 0.00, 0.43
HSL	188°, 55%, 37%
HSV	188°, 71%, 57%
XYZ	14.5470, 19.2686, 30.3989
YIQ	107.3870, -58.7300, -14.9380

Conversions

Conversions Part 2

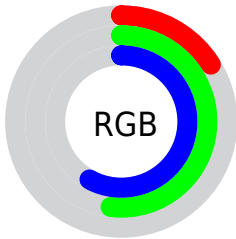
Format	Color
R_{YB}	42, 91, 147
Decimal	2786707
CIE _{Lab}	51.00, -21.34, -15.20
CIE _{LCh}	51, 26.199, 215.460
Yxy	19.2686, 0.2265, 0.3001
Android (android.graphics.Color)	4280976787 (0xFF2A8593)
YUV	107.3870, 19.5292, -57.3444
Hunter-Lab	43.8960, -17.6638, -10.3324

Details

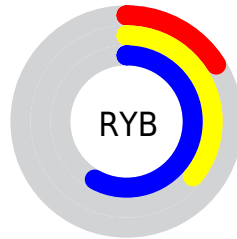
The CIELCh color **51, 26.199, 215.460** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 46.553, 37.071**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 26.222, 215.978**, and **32, 21.470, 219.780** is the 20% darker color. If you saturate the color by 10%, you get **50, 27.680, 216.952**, and if you desaturate by 10%, it is **52, 24.081, 214.319**.

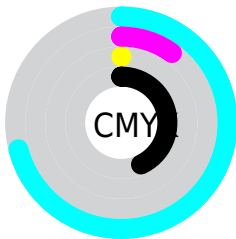
Distribution



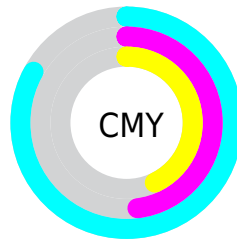
- Red (16%)
- Green (52%)
- Blue (58%)



- Red (16%)
- Yellow (36%)
- Blue (58%)



- Cyan (71%)
- Magenta (10%)
- Yellow (0%)
- Black (43%)





- Cyan (83%)
- Magenta (48%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 26.199, 215.460 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, 26.199, 215.460 by changing the saturation by 10% instead.


 51, 26.199,
215.460


 51, 26.199,
215.460


 100, 26.199,
215.460


 41, 26.199,
215.460


 71, 26.199,
215.460

 31, 26.199,
215.460

 81, 26.199,
215.460

 21, 26.199,
215.460

 91, 26.199,
215.460

 11, 26.199,
215.460

 1, 26.199, 215.460

 0, 26.199, 215.460

■ 51, 26.199,
215.460

■ 51, 26.199,
215.460

■ 50, 27.680,
216.952

■ 52, 24.081,
214.319

■ 49, 28.551,
218.849

■ 53, 21.345,
213.478

■ 49, 29.003,
220.805

■ 54, 18.037,
212.888

■ 56, 14.224,
212.503

■ 57, 9.982, 212.290

■ 59, 5.387, 212.233

■ 61, 0.511, 213.023

■ 62, 4.583, 32.155

■ 64, 9.839, 32.358

Harmonies

Complementary

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



51, 26.199, 215.460



36, 46.553, 37.071

Rectangle

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



51, 26.199, 215.460



51, 26.199, 265.460



51, 26.199, 35.460



51, 26.199, 85.460

Sweetspot

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



51, 26.198, 215.459



73, 12.370, 212.296



54, 61.898, 141.420



38, 8.370, 212.336



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



51, 26.198, 215.459



64, 34.373, 217.991



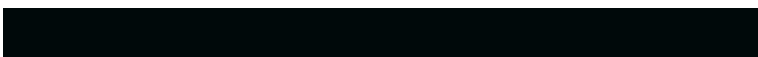
35, 41.523, 283.538



30, 2.795, 212.243



46, 27.716, 220.648



2, 2.502, 212.184

Inverse Universe

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



37, 60.102, 332.537



45, 81.046, 333.473



48, 42.234, 78.757



29, 5.264, 328.842



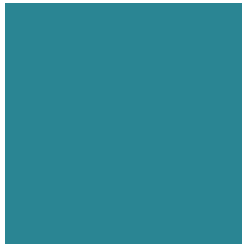
31, 65.949, 334.254



1, 4.577, 328.338

Previews

White Background



This preview shows how the CIELCh color 51, 26.199, 215.460 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, 26.199, 215.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

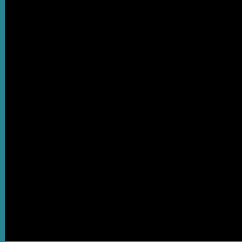
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 26.199, 215.460

Background



This preview shows how black text looks on a background with the CIELCh color 51, 26.199, 215.460.

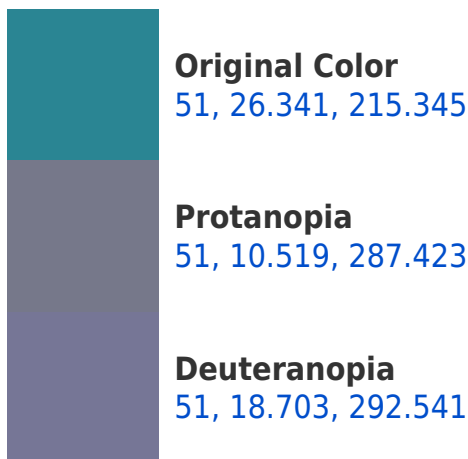


This preview shows how white text looks on a background with the CIELCh color 51, 26.199, 215.460.

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





Tritanopia
51, 26.420, 211.212

Trichromacy



Original Color
51, 26.341, 215.345

Protanomaly
50, 14.773, 237.982

Deuteranomaly
50, 18.231, 255.770

Tritanomaly
51, 26.285, 212.653

Monochromacy



Original Color
51, 26.341, 215.345

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 12.021, 212.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 26.199, 215.460 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(42, 133, 147)` looks like.

```
.text, #text, p{  
    color:rgb(42, 133, 147)  
}
```

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(42, 133, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 133, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 26.199, 215.460 is called "border". The border property can be set on classes, ids or directly on the HTML element.

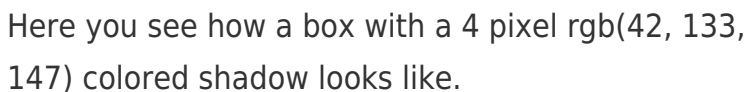
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 133, 147) }
```

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

```
.border{ border-color:rgb(42, 133, 147) }
```

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



Here you see how a box with a 4 pixel `rgb(42, 133, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 133, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 133, 147);  
box-shadow:4px 4px 4px 4px rgb(42, 133,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 26.199, 215.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 133, 147) }
```

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

```
.background{ background-color: rgb(42, 133,  
147) }
```

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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