

Converting Colors

CIELCh(51, 29.921, 220.796)

Have a look what the booklet for
CIELCh(51, 29.921, 220.796)
contains.

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Color

CIELCh(51, 29.944, 220.130)

Conversions

Conversions Part 1

Format	Color
Hex	02869A
RGB	2, 134, 154
RGB Percent	1%, 53%, 60%
CMY	0.9903, 0.4762, 0.3978
CMYK	0.98, 0.13, 0.00, 0.40
HSL	188°, 97%, 31%
HSV	188°, 98%, 60%
XYZ	14.2947, 19.2686, 33.3505
YIQ	96.8120, -85.0920, -21.7640

Conversions

Conversions Part 2

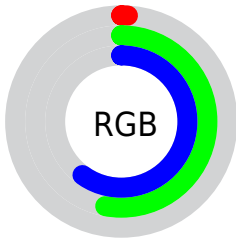
Format	Color
R_YB	2, 73, 154
Decimal	165530
CIE Lab	51.00, -22.89, -19.30
CIE LCh	51, 29.944, 220.130
Yxy	19.2686, 0.2136, 0.2880
Android (android.graphics.Color)	4278355610 (0xFF02869A)
YUV	96.8120, 28.1937, -83.1501
Hunter-Lab	43.8960, -18.6896, -14.3191

Details

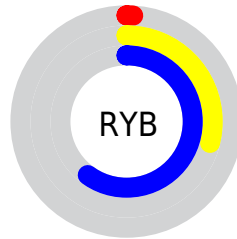
The CIELCh color **51, 29.944, 220.130** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 68.185, 41.496**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 29.963, 220.196**, and **33, 22.390, 230.030** is the 20% darker color. If you saturate the color by 10%, you get **51, 30.022, 220.479**, and if you desaturate by 10%, it is **52, 29.413, 217.989**.

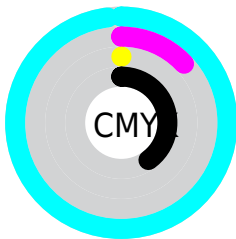
Distribution



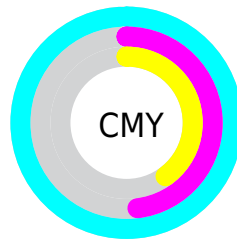
- Red (1%)
- Green (53%)
- Blue (60%)



- Red (1%)
- Yellow (29%)
- Blue (60%)



- Cyan (98%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)





- Cyan (99%)
- Magenta (48%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 29.944, 220.130 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, 29.944, 220.130 by changing the saturation by 10% instead.


 51, 29.944,
220.130


 51, 29.944,
220.130


 100, 29.944,
220.130


 41, 29.944,
220.130


 71, 29.944,
220.130

 31, 29.944,
220.130

 81, 29.944,
220.130

 21, 29.944,
220.130

 91, 29.944,
220.130

 11, 29.944,
220.130

 1, 29.944, 220.130

 0, 29.944, 220.130

■ 51, 29.944,
220.130

■ 51, 29.944,
220.130

■ 51, 30.022,
220.479

■ 52, 29.413,
217.989

■ 53, 28.370,
216.217

■ 54, 26.679,
214.835

■ 55, 24.322,
213.790

■ 56, 21.329,
213.031

■ 57, 17.753,
212.509

■ 59, 13.669,
212.183

■ 60, 9.156, 212.020

Harmonies

Complementary

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



51, 29.944, 220.130



33, 68.185, 41.496

Rectangle

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



51, 29.944, 220.130



51, 29.944, 270.130



51, 29.944, 40.130



51, 29.944, 90.130

Sweetspot

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



51, 29.943, 220.129



74, 17.688, 212.239



55, 79.016, 137.426



38, 11.854, 212.359



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



51, 29.943, 220.129



65, 36.321, 221.016



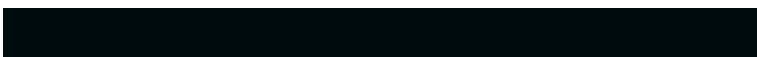
28, 59.627, 292.415



32, 2.879, 212.012



47, 28.109, 220.262



2, 3.157, 213.277

Inverse Universe

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



35, 71.216, 334.113



46, 86.369, 334.346



46, 55.968, 71.786



30, 5.423, 328.778



32, 66.929, 334.158



1, 5.777, 328.665

Previews

White Background



This preview shows how the CIE LCh color 51, 29.944, 220.130 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, 29.944, 220.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

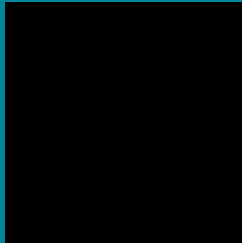
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 29.944, 220.130

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.944, 220.130.

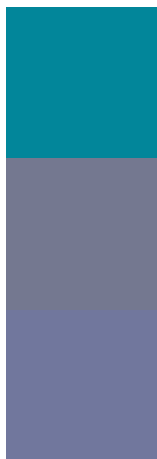


This preview shows how white text looks on a background with the CIELCh color 51, 29.944, 220.130.

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, 30.029, 220.054

Protanopia

51, 14.048, 285.969

Deuteranopia

51, 22.216, 287.597



Tritanopia
51, 30.186, 207.910

Trichromacy



Original Color
51, 30.029, 220.054

Protanomaly
50, 20.090, 238.381

Deuteranomaly
50, 23.734, 251.083

Tritanomaly
51, 29.871, 212.817

Monochromacy



Original Color
51, 30.029, 220.054

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 16.659, 214.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.944, 220.130 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(2, 134, 154)` looks like.

```
.text, #text, p{  
    color:rgb(2, 134, 154)  
}
```

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(2, 134, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 134, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.944, 220.130 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(2, 134, 154) }
```

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

```
.border{ border-color:rgb(2, 134, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 134, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 134, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 134, 154);  
box-shadow:4px 4px 4px 4px rgb(2, 134,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.944, 220.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 134, 154) }
```

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

```
.background{ background-color: rgb(2, 134,  
154) }
```

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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