

Converting Colors

CIELCh(51, 27.959, 222.786)

Have a look what the booklet for
CIELCh(51, 27.959, 222.786)
contains.

CIELCh(51, 27.973, 222.054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 27.973, 222.054)

Conversions

Conversions Part 1

Format	Color
Hex	1F8599
RGB	31, 133, 153
RGB Percent	12%, 52%, 60%
CMY	0.8768, 0.4798, 0.4014
CMYK	0.79, 0.13, 0.00, 0.40
HSL	190°, 66%, 36%
HSV	190°, 79%, 60%
XYZ	14.6401, 19.2686, 32.9349
YIQ	104.7820, -67.2120, -15.4040

Conversions

Conversions Part 2

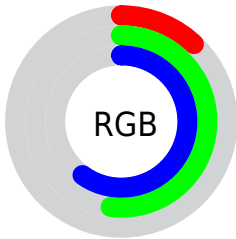
Format	Color
R_{YB}	31, 87, 153
Decimal	2065817
CIE _{Lab}	51.00, -20.77, -18.74
CIE _{LCh}	51, 27.973, 222.054
Yxy	19.2686, 0.2190, 0.2883
Android (android.graphics.Color)	4280255897 (0xFF1F8599)
YUV	104.7820, 23.7715, -64.7068
Hunter-Lab	43.8960, -17.2852, -13.7576

Details

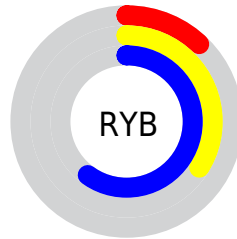
The CIELCh color **51, 27.973, 222.054** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 53.962, 40.143**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 28.062, 221.973**, and **32, 22.242, 230.359** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.024, 224.423**, and if you desaturate by 10%, it is **52, 26.317, 220.172**.

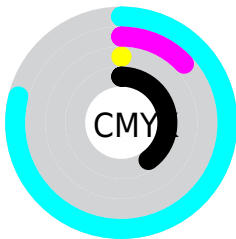
Distribution



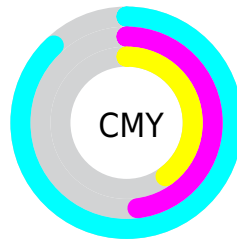
- Red (12%)
- Green (52%)
- Blue (60%)



- Red (12%)
- Yellow (34%)
- Blue (60%)



- Cyan (79%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)





- Cyan (88%)
- Magenta (48%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 27.973, 222.054 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, 27.973, 222.054 by changing the saturation by 10% instead.


 51, 27.973,
222.054


 51, 27.973,
222.054


 100, 27.973,
222.054


 41, 27.973,
222.054


 71, 27.973,
222.054

 31, 27.973,
222.054

 81, 27.973,
222.054

 21, 27.973,
222.054

 91, 27.973,
222.054

 11, 27.973,
222.054

 1, 27.973, 222.054

 0, 27.973, 222.054

■ 51, 27.973,
222.054

■ 51, 27.973,
222.054

■ 50, 29.024,
224.423

■ 52, 26.317,
220.172

■ 49, 29.649,
227.208

■ 53, 24.032,
218.715

■ 49, 29.686,
227.371

■ 55, 21.137,
217.615

■ 56, 17.683,
216.808

■ 58, 13.737,
216.243

■ 60, 9.376, 215.876

■ 61, 4.675, 215.692

■ 63, 0.297, 33.967

Harmonies

Complementary

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



51, 27.973, 222.054



36, 53.962, 40.143

Rectangle

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



51, 27.973, 222.054



51, 27.973, 272.054



51, 27.973, 42.054



51, 27.973, 92.054

Sweetspot

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



51, 27.972, 222.053



75, 14.150, 216.039



55, 68.660, 140.622



38, 9.587, 216.169



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, 27.972, 222.053



63, 35.838, 226.542



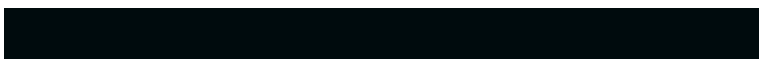
33, 49.678, 287.742



31, 2.813, 215.691



45, 27.905, 227.110



2, 3.086, 216.997

Inverse Universe

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



37, 64.795, 334.390



46, 83.772, 335.721



50, 48.517, 78.773



30, 5.300, 329.848



32, 65.304, 335.891



1, 5.640, 329.776

Previews

White Background



This preview shows how the CIE LCh color 51, 27.973, 222.054 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, 27.973, 222.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

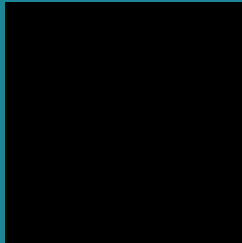
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 27.973, 222.054

Background



This preview shows how black text looks on a background with the CIELCh color 51, 27.973, 222.054.



This preview shows how white text looks on a background with the CIELCh color 51, 27.973, 222.054.

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, 28.073, 221.952

Protanopia

51, 14.048, 285.969

Deuteranopia

51, 21.617, 288.267



Tritanopia
51, 28.653, 209.886

Trichromacy



Original Color
51, 28.073, 221.952

Protanomaly
50, 18.084, 244.116

Deuteranomaly
50, 21.671, 255.952

Tritanomaly
51, 28.378, 213.810

Monochromacy



Original Color
51, 28.073, 221.952

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 13.751, 215.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 27.973, 222.054 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, 133, 153)` looks like.

```
.text, #text, p{  
    color:rgb(31, 133, 153)  
}
```

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, 133, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 133, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 27.973, 222.054 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, 133, 153) }
```

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

```
.border{ border-color:rgb(31, 133, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 133, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(31, 133, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(31, 133, 153); box-shadow:4px 4px 4px 4px rgb(31, 133, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 27.973, 222.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 133, 153) }
```

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

```
.background{ background-color: rgb(31, 133,  
153) }
```

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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