

Converting Colors

CIELCh(51, 27.941, 220.898)

Have a look what the booklet for
CIELCh(51, 27.941, 220.898)
contains.

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Color

CIELCh(51, 27.980, 220.692)

Conversions

Conversions Part 1

Format	Color
Hex	1F8598
RGB	31, 133, 152
RGB Percent	12%, 52%, 60%
CMY	0.8797, 0.4792, 0.4047
CMYK	0.80, 0.13, 0.00, 0.40
HSL	189°, 66%, 36%
HSV	189°, 80%, 60%
XYZ	14.5673, 19.2686, 32.5723
YIQ	104.6680, -66.8910, -15.7150

Conversions

Conversions Part 2

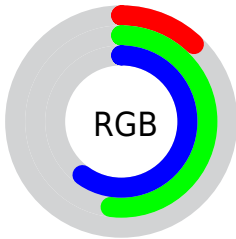
Format	Color
R_{YB}	31, 86, 152
Decimal	2065816
CIE _{Lab}	51.00, -21.22, -18.24
CIE _{LCh}	51, 27.980, 220.692
Yxy	19.2686, 0.2194, 0.2902
Android (android.graphics.Color)	4280255896 (0xFF1F8598)
YUV	104.6680, 23.3347, -64.6068
Hunter-Lab	43.8960, -17.5811, -13.2680

Details

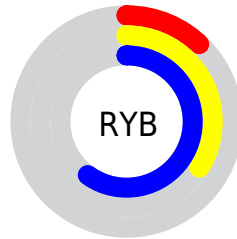
The CIELCh color **51, 27.980, 220.692** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 54.236, 39.762**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 27.945, 220.829**, and **32, 22.068, 228.650** is the 20% darker color. If you saturate the color by 10%, you get **50, 28.982, 222.939**, and if you desaturate by 10%, it is **52, 26.367, 218.911**.

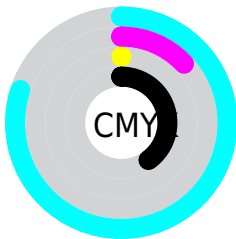
Distribution



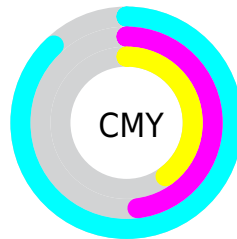
- Red (12%)
- Green (52%)
- Blue (60%)



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



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 27.980, 220.692 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, 27.980, 220.692 by changing the saturation by 10% instead.


 51, 27.980,
220.692


 51, 27.980,
220.692


 100, 27.980,
220.692


 41, 27.980,
220.692


 71, 27.980,
220.692

 31, 27.980,
220.692

 81, 27.980,
220.692

 21, 27.980,
220.692

 91, 27.980,
220.692

 11, 27.980,
220.692

 1, 27.980, 220.692

 0, 27.980, 220.692

■ 51, 27.980,
220.692

■ 51, 27.980,
220.692

■ 50, 28.982,
222.939

■ 52, 26.367,
218.911

■ 49, 29.566,
225.569

■ 53, 24.120,
217.537

■ 49, 29.578,
225.623

■ 55, 21.257,
216.505

■ 56, 17.828,
215.756

■ 58, 13.902,
215.239

■ 59, 9.555, 214.913

■ 61, 4.863, 214.764

■ 63, 0.104, 30.276

Harmonies

Complementary

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



51, 27.980, 220.692



36, 54.236, 39.762

Rectangle

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



51, 27.980, 220.692



51, 27.980, 270.692



51, 27.980, 40.692



51, 27.980, 90.692

Sweetspot

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



51, 27.979, 220.691



74, 14.075, 215.044



55, 68.582, 140.572



39, 9.635, 215.159



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, 27.979, 220.691



63, 35.570, 225.122



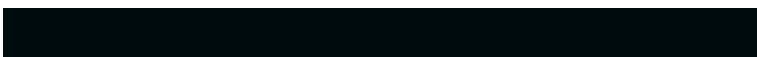
33, 49.707, 287.864



31, 2.828, 214.762



46, 27.922, 225.392



2, 3.103, 216.066

Inverse Universe

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



37, 65.026, 334.050



45, 83.556, 335.361



49, 48.490, 78.712



30, 5.330, 329.577



32, 65.702, 335.450



1, 5.674, 329.498

Previews

White Background



This preview shows how the CIE LCh color 51, 27.980, 220.692 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, 27.980, 220.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

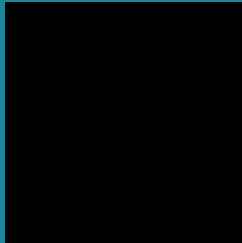
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 27.980, 220.692

Background



This preview shows how black text looks on a background with the CIELCh color 51, 27.980, 220.692.

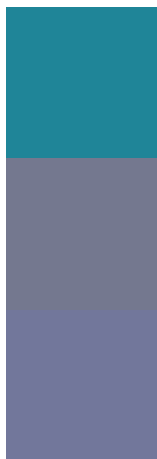


This preview shows how white text looks on a background with the CIELCh color 51, 27.980, 220.692.

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, 27.980, 220.692

Protanopia

51, 13.470, 285.617

Deuteranopia

51, 21.039, 288.053



Tritanopia
51, 28.653, 209.886

Trichromacy



Original Color
51, 27.980, 220.692

Protanomaly
50, 17.739, 242.542

Deuteranomaly
50, 21.240, 254.834

Tritanomaly
51, 28.368, 212.552

Monochromacy



Original Color
51, 27.980, 220.692

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 13.757, 215.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 27.980, 220.692 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(31, 133, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 133, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 27.980, 220.692 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, 152) }
```

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

```
.border{ border-color:rgb(31, 133, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 133, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 133, 152);  
box-shadow:4px 4px 4px 4px rgb(31, 133,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 27.980, 220.692 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, 152) }
```

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

```
.background{ background-color: rgb(31, 133,  
152) }
```

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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