

Converting Colors

CIELCh(50, 27.669, 223.963)

Have a look what the booklet for
CIELCh(50, 27.669, 223.963)
contains.

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Color

CIELCh(50, 27.675, 223.848)

Conversions

Conversions Part 1

Format	Color
Hex	1F8297
RGB	31, 130, 151
RGB Percent	12%, 51%, 59%
CMY	0.8799, 0.4911, 0.4087
CMYK	0.80, 0.14, 0.00, 0.41
HSL	190°, 66%, 36%
HSV	190°, 80%, 59%
XYZ	14.0742, 18.4187, 31.9949
YIQ	102.7930, -65.7450, -14.4570

Conversions

Conversions Part 2

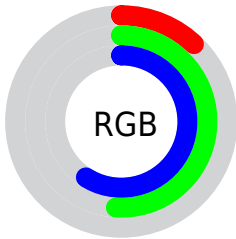
Format	Color
R_{YB}	31, 85, 151
Decimal	2065047
CIE _{Lab}	50.00, -19.96, -19.17
CIE _{LCh}	50, 27.675, 223.848
Yxy	18.4187, 0.2182, 0.2856
Android (android.graphics.Color)	4280255127 (0xFF1F8297)
YUV	102.7930, 23.7661, -62.9625
Hunter-Lab	42.9170, -16.5673, -14.1593




Details

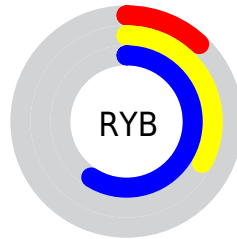
The CIELCh color **50, 27.675, 223.848** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 53.348, 40.705**, and the grayscale version is **43, 0.006, 296.813**.




A 20% lighter version of the original color is **70, 27.568, 223.832**, and **31, 22.006, 233.100** is the 20% darker color. If you saturate the color by 10%, you get **49, 28.740, 226.390**, and if you desaturate by 10%, it is **51, 26.026, 221.820**.

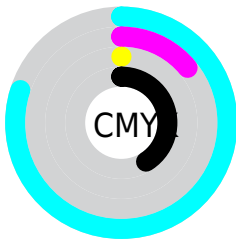
Distribution







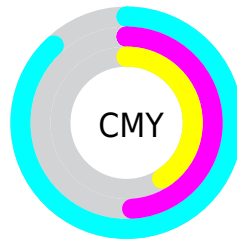
-  Red (12%)
-  Green (51%)
-  Blue (59%)






-  Red (12%)
-  Yellow (33%)
-  Blue (59%)



-  Cyan (80%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (41%)



-  Cyan (88%)
-  Magenta (49%)
-  Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 27.675, 223.848 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 50, 27.675, 223.848 by changing the saturation by 10% instead.


 50, 27.675,
223.848

 50, 27.675,
223.848


 100, 27.675,
223.848

 40, 27.675,
223.848


 70, 27.675,
223.848

 30, 27.675,
223.848


 80, 27.675,
223.848

 20, 27.675,
223.848

 90, 27.675,
223.848

 10, 27.675,
223.848

 0, 27.675, 223.848

 50, 27.675,
223.848

 50, 27.675,
223.848

■ 49, 28.740,
226.390

■ 51, 26.026,
221.820

■ 48, 29.411,
229.351

■ 52, 23.767,
220.240

■ 48, 29.433,
229.443

■ 54, 20.914,
219.037

■ 55, 17.515,
218.145

■ 57, 13.635,
217.506

■ 59, 9.349, 217.077

■ 61, 4.730, 216.837

■ 62, 0.155, 33.712

■ 64, 5.245, 36.434

Harmonies

Complementary

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



50, 27.675, 223.848



36, 53.348, 40.705

Rectangle

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



50, 27.675, 223.848



50, 27.675, 273.848



50, 27.675, 43.848



50, 27.675, 93.848

Sweetspot

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



50, 27.674, 223.847



74, 13.921, 217.259



55, 67.441, 141.038



38, 9.531, 217.409



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 27.674, 223.847



62, 35.549, 228.900



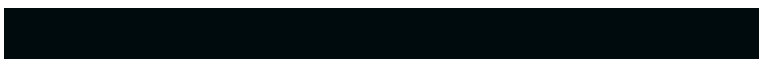
32, 50.679, 288.955



31, 2.796, 216.832



45, 27.916, 229.205



2, 3.068, 218.132

Inverse Universe

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



36, 63.855, 334.852



45, 82.447, 336.338



49, 48.447, 80.186



30, 5.263, 330.180



31, 64.828, 336.437



1, 5.600, 330.116

Previews

White Background



This preview shows how the CIELCh color 50, 27.675, 223.848 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 50, 27.675, 223.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

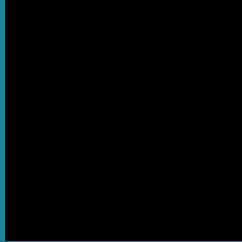
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 27.675, 223.848

Background



This preview shows how black text looks on a background with the CIELCh color 50, 27.675, 223.848.



This preview shows how white text looks on a background with the CIELCh color 50, 27.675, 223.848.

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
50, 28.366, 210.067

Trichromacy



Original Color
50, 27.675, 223.848

Protanomaly
49, 18.279, 246.472

Deuteranomaly
49, 22.017, 257.849

Tritanomaly
50, 28.028, 214.099

Monochromacy



Original Color
50, 27.675, 223.848

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 13.464, 216.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 27.675, 223.848 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, 130, 151)` looks like.

```
.text, #text, p{  
    color:rgb(31, 130, 151)  
}
```

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, 130, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 130, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 27.675, 223.848 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, 130, 151) }
```

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

```
.border{ border-color:rgb(31, 130, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 130, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 130, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 130, 151);  
box-shadow:4px 4px 4px 4px rgb(31, 130,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 27.675, 223.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 130, 151) }
```

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

```
.background{ background-color: rgb(31, 130,  
151) }
```

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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