

Converting Colors

CIElCh(50, 27.488, 224.535)

Have a look what the booklet for
CIELCh(50, 27.488, 224.535)
contains.

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Color

CIELCh(50, 27.471, 224.078)

Conversions

Conversions Part 1

Format	Color
Hex	208297
RGB	32, 130, 151
RGB Percent	13%, 51%, 59%
CMY	0.8726, 0.4914, 0.4091
CMYK	0.78, 0.14, 0.00, 0.41
HSL	191°, 65%, 36%
HSV	191°, 78%, 59%
XYZ	14.1099, 18.4187, 31.9502
YIQ	103.0920, -65.1490, -14.2450

Conversions

Conversions Part 2

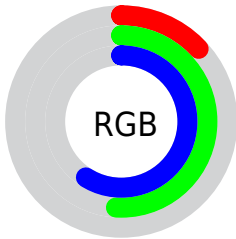
Format	Color
RYB	32, 86, 151
Decimal	2130583
CIELab	50.00, -19.73, -19.11
CIElCh	50, 27.471, 224.078
Yxy	18.4187, 0.2188, 0.2857
Android (android.graphics.Color)	4280320663 (0xFF208297)
YUV	103.0920, 23.6186, -62.3477
Hunter-Lab	42.9170, -16.4187, -14.0975

Details

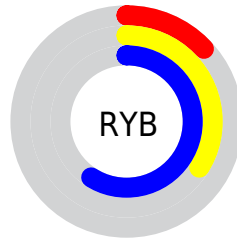
The CIELCh color **50, 27.471, 224.078** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 52.274, 40.710**, and the grayscale version is **44, 0.006, 296.813**.

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, 28.615, 226.599**, and if you desaturate by 10%, it is **51, 25.740, 222.070**.

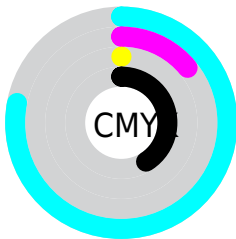
Distribution



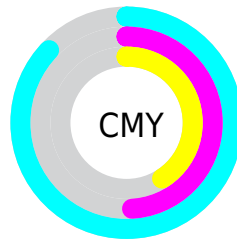
- Red (13%)
- Green (51%)
- Blue (59%)



- Red (13%)
- Yellow (34%)
- Blue (59%)



- Cyan (78%)
- Magenta (14%)
- Yellow (0%)
- Black (41%)





- Cyan (87%)
- Magenta (49%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 27.471, 224.078 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, 27.471, 224.078 by changing the saturation by 10% instead.


 50, 27.471,
224.078


 50, 27.471,
224.078


 100, 27.471,
224.078


 40, 27.471,
224.078


 70, 27.471,
224.078

 30, 27.471,
224.078


 80, 27.471,
224.078

 20, 27.471,
224.078

 90, 27.471,
224.078

 10, 27.471,
224.078

 0, 27.471, 224.078

 50, 27.471,
224.078

 50, 27.471,
224.078

■ 49, 28.615,
226.599

■ 51, 25.740,
222.070

■ 48, 29.322,
229.591

■ 53, 23.403,
220.508

■ 48, 29.430,
230.060

■ 54, 20.480,
219.320

■ 55, 17.021,
218.439

■ 57, 13.094,
217.809

■ 59, 8.770, 217.386

■ 61, 4.125, 217.160

■ 63, 0.778, 36.321

■ 65, 5.877, 36.752

Harmonies

Complementary

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



50, 27.471, 224.078



36, 52.274, 40.710

Rectangle

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



50, 27.471, 224.078



50, 27.471, 274.078



50, 27.471, 44.078



50, 27.471, 94.078

Sweetspot

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



50, 27.470, 224.077



74, 13.899, 217.619



55, 66.661, 141.228



38, 9.516, 217.775



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, 27.470, 224.077



62, 35.435, 228.844



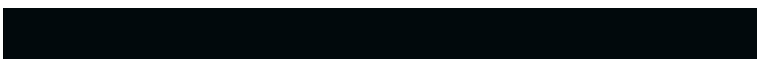
32, 49.786, 288.523



31, 2.791, 217.169



45, 27.926, 229.819



2, 3.063, 218.465

Inverse Universe

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



36, 63.197, 334.891



45, 82.094, 336.314



50, 47.802, 80.400



30, 5.252, 330.278



31, 64.690, 336.598



1, 5.588, 330.217

Previews

White Background



This preview shows how the CIE LCh color 50, 27.471, 224.078 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, 27.471, 224.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

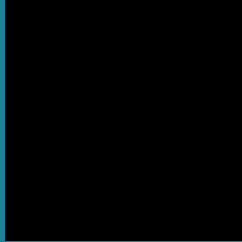
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 27.471, 224.078

Background



This preview shows how black text looks on a background with the CIELCh color 50, 27.471, 224.078.



This preview shows how white text looks on a background with the CIELCh color 50, 27.471, 224.078.

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

50, 27.575, 223.961

Protanopia

50, 14.691, 286.353

Deuteranopia

50, 22.293, 288.550



Tritanopia
50, 28.118, 210.207

Trichromacy



Original Color
50, 27.575, 223.961

Protanomaly
49, 18.086, 247.162

Deuteranomaly
49, 22.017, 257.849

Tritanomaly
50, 27.847, 214.229

Monochromacy



Original Color
50, 27.575, 223.961

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, 27.471, 224.078 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(32, 130, 151)` looks like.

```
.text, #text, p{  
    color:rgb(32, 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(32, 130, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 130, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 27.471, 224.078 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(32, 130, 151) }
```

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

```
.border{ border-color:rgb(32, 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(32, 130, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 130, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 130, 151);  
box-shadow:4px 4px 4px 4px rgb(32, 130,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 27.471, 224.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 130, 151) }
```

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

```
.background{ background-color: rgb(32, 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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