

Converting Colors

CIELCh(50, 27.929, 229.352)

Have a look what the booklet for
CIELCh(50, 27.929, 229.352)
contains.

CIELCh(50, 27.895, 229.353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 27.895, 229.353)

Conversions

Conversions Part 1

Format	Color
Hex	21819A
RGB	33, 129, 154
RGB Percent	13%, 51%, 60%
CMY	0.8693, 0.4934, 0.3953
CMYK	0.78, 0.16, 0.00, 0.40
HSL	192°, 64%, 37%
HSV	192°, 78%, 60%
XYZ	14.3615, 18.4187, 33.4554
YIQ	103.1460, -65.2410, -12.5770

Conversions

Conversions Part 2

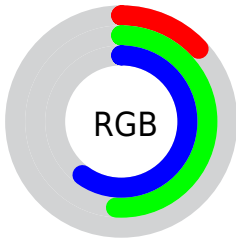
Format	Color
RYB	33, 87, 154
Decimal	2195866
CIELab	50.00, -18.17, -21.16
CIELCh	50, 27.895, 229.353
Yxy	18.4187, 0.2168, 0.2781
Android (android.graphics.Color)	4280385946 (0xFF21819A)
YUV	103.1460, 25.0710, -61.5180
Hunter-Lab	42.9170, -15.3723, -16.1770

Details

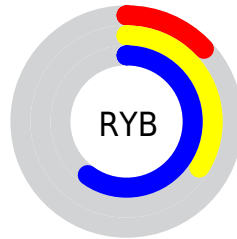
The CIELCh color **50, 27.895, 229.353** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 52.434, 42.449**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 27.825, 228.869**, and **31, 22.722, 238.058** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.195, 232.349**, and if you desaturate by 10%, it is **51, 26.043, 226.939**.

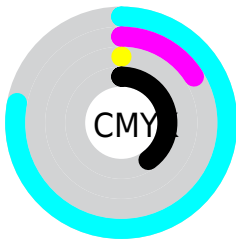
Distribution



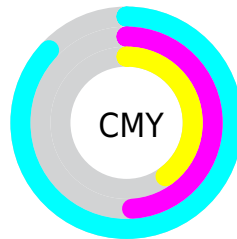
- Red (13%)
- Green (51%)
- Blue (60%)



- Red (13%)
- Yellow (34%)
- Blue (60%)



- Cyan (78%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)





- Cyan (87%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 27.895, 229.353 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, 27.895, 229.353 by changing the saturation by 10% instead.


 50, 27.895,
229.353


 50, 27.895,
229.353


 100, 27.895,
229.353


 40, 27.895,
229.353


 70, 27.895,
229.353

 30, 27.895,
229.353


 80, 27.895,
229.353


 20, 27.895,
229.353

 90, 27.895,
229.353

 10, 27.895,
229.353

 0, 27.895, 229.353

 50, 27.895,
229.353

 50, 27.895,
229.353

49, 29.195,
232.349

51, 26.043,
226.939

48, 30.096,
235.873

53, 23.612,
225.037

47, 30.241,
236.440

54, 20.616,
223.564

56, 17.102,
222.444

58, 13.132,
221.612

60, 8.779, 221.015

62, 4.112, 220.637

64, 0.804, 39.679

66, 5.912, 39.973

Harmonies

Complementary

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



50, 27.895, 229.353



38, 52.434, 42.449

Rectangle

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



50, 27.895, 229.353



50, 27.895, 279.353



50, 27.895, 49.353



50, 27.895, 99.353

Sweetspot

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



50, 27.894, 229.353



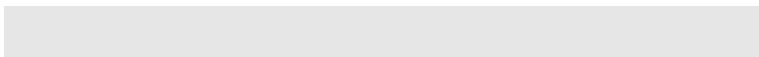
75, 13.984, 221.352



56, 66.378, 142.158



39, 9.577, 221.571



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 27.894, 229.353



62, 36.401, 235.000



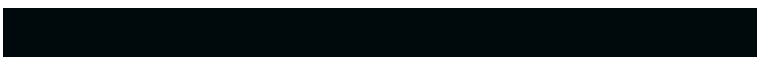
32, 53.385, 290.709



31, 2.747, 220.658



43, 28.193, 236.075



2, 3.017, 221.854

Inverse Universe

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



37, 63.060, 336.277



46, 81.942, 337.976



52, 49.342, 83.206



30, 5.145, 331.301



31, 63.317, 338.299



1, 5.473, 331.240

Previews

White Background



This preview shows how the CIE LCh color 50, 27.895, 229.353 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 27.895, 229.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

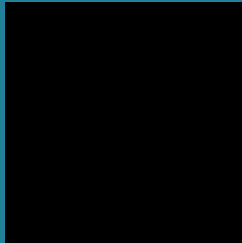
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 27.895, 229.353

Background



This preview shows how black text looks on a background with the CIELCh color 50, 27.895, 229.353.

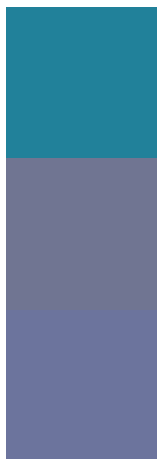


This preview shows how white text looks on a background with the CIELCh color 50, 27.895, 229.353.

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, 27.895, 229.353

Protanopia

50, 17.042, 286.306

Deuteranopia

50, 24.103, 286.748



Tritanopia
50, 28.442, 210.024

Trichromacy



Original Color
50, 27.895, 229.353

Protanomaly
49, 20.113, 253.969

Deuteranomaly
49, 23.521, 260.239

Tritanomaly
50, 27.917, 216.814

Monochromacy



Original Color
50, 27.895, 229.353

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 13.440, 221.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 27.895, 229.353 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(33, 129, 154)` looks like.

```
.text, #text, p{  
    color:rgb(33, 129, 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(33, 129, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 129, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 27.895, 229.353 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(33, 129, 154) }
```

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

```
.border{ border-color:rgb(33, 129, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 129, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 129, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 129, 154);  
box-shadow:4px 4px 4px 4px rgb(33, 129,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 27.895, 229.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 129, 154) }
```

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

```
.background{ background-color: rgb(33, 129,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor