

Converting Colors

CIELCh(50, 28.310, 228.151)

Have a look what the booklet for
CIELCh(50, 28.310, 228.151)
contains.

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Color

CIELCh(50, 28.266, 228.855)

Conversions

Conversions Part 1

Format	Color
Hex	1E819A
RGB	30, 129, 154
RGB Percent	12%, 51%, 60%
CMY	0.8835, 0.4926, 0.3945
CMYK	0.81, 0.16, 0.00, 0.39
HSL	192°, 68%, 36%
HSV	192°, 81%, 61%
XYZ	14.2925, 18.4187, 33.5452
YIQ	102.2490, -67.0290, -13.2130

Conversions

Conversions Part 2

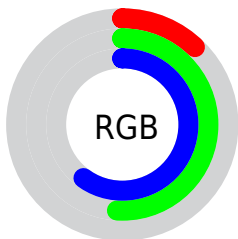
Format	Color
RYB	30, 85, 154
Decimal	1999258
CIELab	50.00, -18.60, -21.29
CIELCh	50, 28.266, 228.855
Yxy	18.4187, 0.2157, 0.2780
Android (android.graphics.Color)	4280189338 (0xFF1E819A)
YUV	102.2490, 25.5132, -63.3624
Hunter-Lab	42.9170, -15.6594, -16.3011

Details

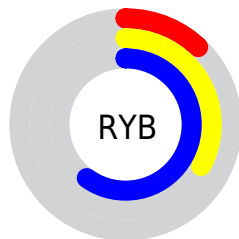
The CIELCh color **50, 28.266, 228.855** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **37, 54.518, 42.297**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.012, 228.628**, and **31, 22.722, 238.058** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.410, 231.899**, and if you desaturate by 10%, it is **51, 26.574, 226.395**.

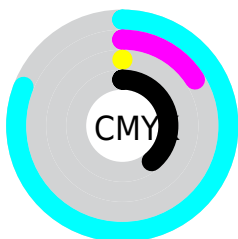
Distribution



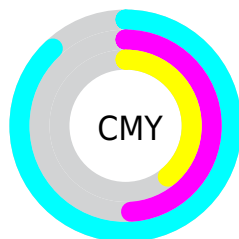
- Red (12%)
- Green (51%)
- Blue (60%)



- Red (12%)
- Yellow (33%)
- Blue (60%)



- Cyan (81%)
- Magenta (16%)
- Yellow (0%)
- Black (39%)





- Cyan (88%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 28.266, 228.855 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, 28.266, 228.855 by changing the saturation by 10% instead.


 50, 28.266,
228.855


 50, 28.266,
228.855


 100, 28.266,
228.855


 40, 28.266,
228.855


 70, 28.266,
228.855

 30, 28.266,
228.855


 80, 28.266,
228.855


 20, 28.266,
228.855

 90, 28.266,
228.855

 10, 28.266,
228.855

 0, 28.266, 228.855

 50, 28.266,
228.855

 50, 28.266,
228.855

■ 49, 29.410,
231.899

■ 51, 26.574,
226.395

■ 48, 30.175,
235.094

■ 53, 24.296,
224.452

■ 54, 21.436,
222.946

■ 56, 18.038,
221.801

■ 58, 14.162,
220.951

■ 60, 9.881, 220.340

■ 62, 5.265, 219.940

■ 64, 0.382, 220.731

■ 66, 4.708, 39.282

Harmonies

Complementary

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



50, 28.266, 228.855



37, 54.518, 42.297

Rectangle

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



50, 28.266, 228.855



50, 28.266, 278.855



50, 28.266, 48.855



50, 28.266, 98.855

Sweetspot

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



50, 28.265, 228.855



75, 14.023, 220.542



56, 67.866, 141.777



39, 9.603, 220.748



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, 28.265, 228.855



62, 36.560, 234.825



31, 55.228, 291.506



31, 2.755, 219.899



44, 28.109, 234.735



2, 3.026, 221.125

Inverse Universe

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



37, 64.307, 336.178



46, 82.534, 337.939



52, 50.539, 82.815



30, 5.168, 331.078



31, 63.606, 337.925



1, 5.497, 331.019

Previews

White Background



This preview shows how the CIELCh color 50, 28.266, 228.855 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, 28.266, 228.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

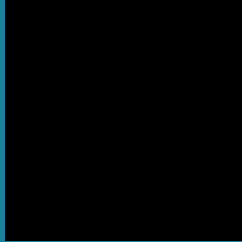
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 28.266, 228.855

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.266, 228.855.

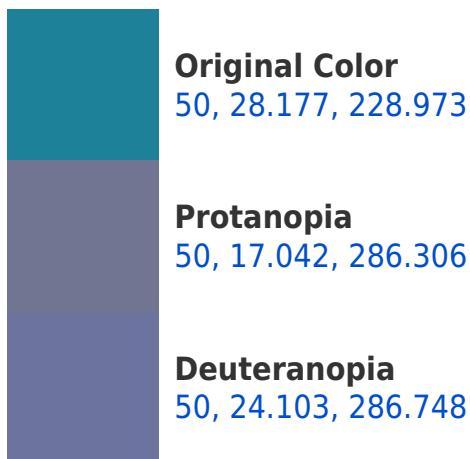


This preview shows how white text looks on a background with the CIELCh color 50, 28.266, 228.855.

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, 28.995, 209.719

Trichromacy



Original Color
50, 28.177, 228.973

Protanomaly
49, 20.015, 251.340

Deuteranomaly
49, 23.651, 259.667

Tritanomaly
50, 28.489, 217.649

Monochromacy



Original Color
50, 28.177, 228.973

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 13.733, 221.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.266, 228.855 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(30, 129, 154)` looks like.

```
.text, #text, p{  
    color:rgb(30, 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(30, 129, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 129, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.266, 228.855 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(30, 129, 154) }
```

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

```
.border{ border-color:rgb(30, 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(30, 129, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 129, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 129, 154);  
box-shadow:4px 4px 4px 4px rgb(30, 129,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.266, 228.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 129, 154) }
```

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

```
.background{ background-color: rgb(30, 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](#).

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