

Converting Colors

CIELCh(50, 29.554, 227.675)

Have a look what the booklet for
CIELCh(50, 29.554, 227.675)
contains.

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Color

CIELCh(50, 29.489, 227.269)

Conversions

Conversions Part 1

Format	Color
Hex	0D829B
RGB	13, 130, 155
RGB Percent	5%, 51%, 61%
CMY	0.9489, 0.4902, 0.3921
CMYK	0.92, 0.16, 0.00, 0.39
HSL	191°, 84%, 33%
HSV	191°, 92%, 61%
XYZ	14.0660, 18.4187, 33.8257
YIQ	97.8670, -77.7570, -17.0290

Conversions

Conversions Part 2

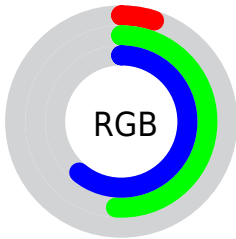
Format	Color
RYB	13, 77, 155
Decimal	885403
CIELab	50.00, -20.01, -21.66
CIELCh	50, 29.489, 227.269
Yxy	18.4187, 0.2121, 0.2778
Android (android.graphics.Color)	4279075483 (0xFF0D829B)
YUV	97.8670, 28.1666, -74.4284
Hunter-Lab	42.9170, -16.6013, -16.6886

Details

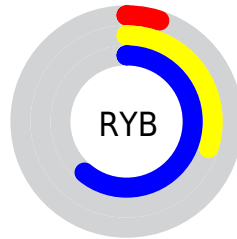
The CIELCh color **50, 29.489, 227.269** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **35, 63.321, 42.101**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.637, 227.894**, and **31, 22.993, 239.640** is the 20% darker color. If you saturate the color by 10%, you get **49, 30.043, 229.822**, and if you desaturate by 10%, it is **51, 28.509, 224.582**.

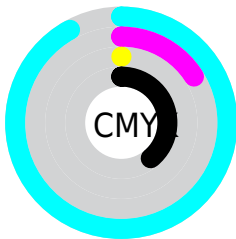
Distribution



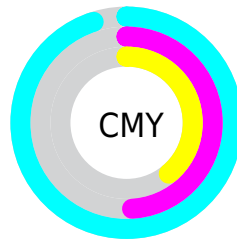
- Red (5%)
- Green (51%)
- Blue (61%)



- Red (5%)
- Yellow (30%)
- Blue (61%)



- Cyan (92%)
- Magenta (16%)
- Yellow (0%)
- Black (39%)





- Cyan (95%)
- Magenta (49%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.489, 227.269 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, 29.489, 227.269 by changing the saturation by 10% instead.


 50, 29.489,
227.269


 50, 29.489,
227.269


 100, 29.489,
227.269


 40, 29.489,
227.269


 70, 29.489,
227.269

 30, 29.489,
227.269


 80, 29.489,
227.269


 20, 29.489,
227.269

 90, 29.489,
227.269

 10, 29.489,
227.269

 0, 29.489, 227.269

 50, 29.489,
227.269

 50, 29.489,
227.269

■ 49, 30.043,
229.822

■ 51, 28.509,
224.582

■ 52, 26.947,
222.427

■ 54, 24.763,
220.740

■ 55, 21.965,
219.449

■ 56, 18.596,
218.486

■ 58, 14.722,
217.790

■ 60, 10.416,
217.312

■ 62, 5.755, 217.026

■ 64, 0.810, 217.318

Harmonies

Complementary

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



50, 29.489, 227.269



35, 63.321, 42.101

Rectangle

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



50, 29.489, 227.269



50, 29.489, 277.269



50, 29.489, 47.269



50, 29.489, 97.269

Sweetspot

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



50, 29.488, 227.269



75, 15.811, 217.572



56, 75.175, 139.210



39, 10.616, 217.738



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, 29.488, 227.269



63, 36.503, 230.563



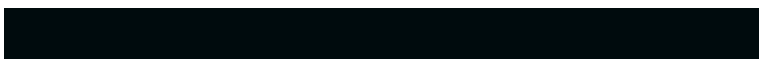
29, 60.407, 293.251



31, 2.794, 216.990



45, 27.920, 229.493



2, 3.065, 218.288

Inverse Universe

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



36, 68.485, 335.877



46, 84.295, 336.795



49, 54.435, 77.865



30, 5.258, 330.226



31, 64.763, 336.512



1, 5.595, 330.163

Previews

White Background



This preview shows how the CIELCh color 50, 29.489, 227.269 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, 29.489, 227.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

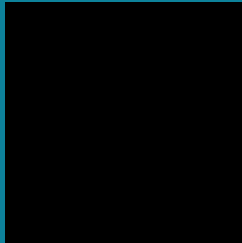
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.489, 227.269

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.489, 227.269.




This preview shows how white text looks on a background with the CIELCh color 50, 29.489, 227.269.

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, 29.689, 208.154

Trichromacy



Original Color
50, 29.489, 227.269

Protanomaly
49, 21.039, 247.755

Deuteranomaly
49, 24.698, 255.411

Tritanomaly
50, 29.226, 215.763

Monochromacy



Original Color
50, 29.489, 227.269

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 15.686, 218.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.489, 227.269 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(13, 130, 155)` looks like.

```
.text, #text, p{  
    color:rgb(13, 130, 155)  
}
```

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(13, 130, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 130, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.489, 227.269 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(13, 130, 155) }
```

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

```
.border{ border-color:rgb(13, 130, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 130, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 130, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 130, 155);  
box-shadow:4px 4px 4px 4px rgb(13, 130,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.489, 227.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 130, 155) }
```

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

```
.background{ background-color: rgb(13, 130,  
155) }
```

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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