

Converting Colors

CIELCh(43, 87.662, 199.432)

Have a look what the booklet for
CIELCh(43, 87.662, 199.432)
contains.

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Color

CIELCh(50, 29.374, 218.190)

Conversions

Conversions Part 1

Format	Color
Hex	038395
RGB	3, 131, 149
RGB Percent	1%, 51%, 58%
CMY	0.9864, 0.4864, 0.4157
CMYK	0.98, 0.12, 0.00, 0.42
HSL	187°, 95%, 30%
HSV	187°, 98%, 58%
XYZ	13.5808, 18.4187, 31.2709
YIQ	94.7800, -82.0660, -21.5380

Conversions

Conversions Part 2

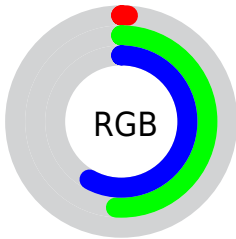
Format	Color
RYB	3, 71, 149
Decimal	230293
CIELab	50.00, -23.09, -18.16
CIELCh	50, 29.374, 218.190
Yxy	18.4187, 0.2146, 0.2911
Android (android.graphics.Color)	4278420373 (0xFF038395)
YUV	94.7800, 26.7305, -80.4911
Hunter-Lab	42.9170, -18.6196, -13.1590

Details

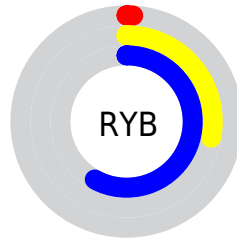
The CIELCh color **50, 29.374, 218.190** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **32, 66.317, 41.107**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.356, 218.415**, and **31, 21.602, 227.539** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.484, 218.649**, and if you desaturate by 10%, it is **51, 28.835, 216.248**.

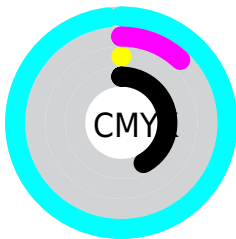
Distribution



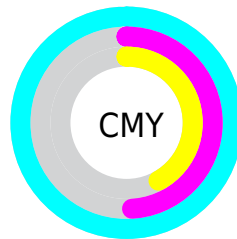
- Red (1%)
- Green (51%)
- Blue (58%)



- Red (1%)
- Yellow (28%)
- Blue (58%)



- Cyan (98%)
- Magenta (12%)
- Yellow (0%)
- Black (42%)





- Cyan (99%)
- Magenta (49%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.374, 218.190 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, 29.374, 218.190 by changing the saturation by 10% instead.


 50, 29.374,
218.190


 50, 29.374,
218.190


 100, 29.374,
218.190


 40, 29.374,
218.190


 70, 29.374,
218.190

 30, 29.374,
218.190


 80, 29.374,
218.190


 20, 29.374,
218.190

 90, 29.374,
218.190

 10, 29.374,
218.190

 0, 29.374, 218.190

 50, 29.374,
218.190

 50, 29.374,
218.190

■ 50, 29.484,
218.649

■ 51, 28.835,
216.248

■ 52, 27.769,
214.658

■ 52, 26.061,
213.426

■ 54, 23.700,
212.505

■ 55, 20.717,
211.847

■ 56, 17.167,
211.408

■ 57, 13.123,
211.151

■ 59, 8.664, 211.047

■ 60, 3.867, 211.104

Harmonies

Complementary

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



50, 29.374, 218.190



32, 66.317, 41.107

Rectangle

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



50, 29.374, 218.190



50, 29.374, 268.190



50, 29.374, 38.190



50, 29.374, 88.190

Sweetspot

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



50, 29.373, 218.189



73, 16.917, 211.187



54, 76.987, 137.521



37, 11.401, 211.279



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 29.373, 218.189



64, 35.761, 219.165



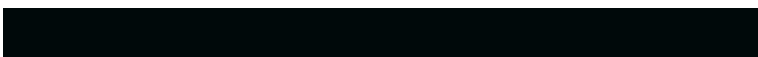
28, 57.701, 292.064



30, 2.817, 211.080



46, 27.850, 218.471



2, 2.523, 211.064

Inverse Universe

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



34, 70.001, 333.625



45, 85.289, 333.886



45, 54.466, 72.018



29, 5.303, 328.503



31, 66.482, 333.714



1, 4.611, 328.003

Previews

White Background



This preview shows how the CIE LCh color 50, 29.374, 218.190 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, 29.374, 218.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

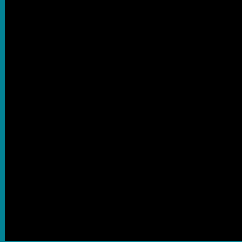
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.374, 218.190

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.374, 218.190.

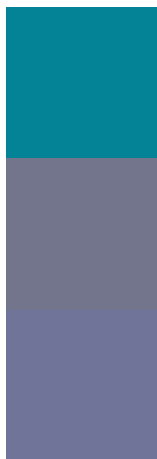


This preview shows how white text looks on a background with the CIELCh color 50, 29.374, 218.190.

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, 29.396, 218.150

Protanopia

50, 13.503, 287.213

Deuteranopia

50, 21.114, 289.062



Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 29.396, 218.150

Protanomaly
49, 19.403, 238.028

Deuteranomaly
49, 22.521, 250.505

Tritanomaly
50, 29.552, 211.828

Monochromacy



Original Color
50, 29.396, 218.150

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 16.324, 212.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.374, 218.190 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(3, 131, 149)` looks like.

```
.text, #text, p{  
    color:rgb(3, 131, 149)  
}
```

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(3, 131, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 131, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.374, 218.190 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(3, 131, 149) }
```

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

```
.border{ border-color:rgb(3, 131, 149) }
```

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

Here you see how a box with a 4 pixel rgb(3, 131, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 131, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 131, 149);  
box-shadow:4px 4px 4px 4px rgb(3, 131,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.374, 218.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 131, 149) }
```

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

```
.background{ background-color: rgb(3, 131,  
149) }
```

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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