

Converting Colors

CIELCh(49, 33.463, 204.229)

Have a look what the booklet for
CIELCh(49, 33.463, 204.229)
contains.

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Color

CIELCh(50, 29.641, 205.808)

Conversions

Conversions Part 1

Format	Color
Hex	03848C
RGB	3, 132, 140
RGB Percent	1%, 52%, 55%
CMY	0.9867, 0.4823, 0.4510
CMYK	0.98, 0.06, 0.00, 0.45
HSL	184°, 95%, 28%
HSV	184°, 98%, 55%
XYZ	13.0277, 18.4187, 27.6805
YIQ	94.3410, -79.4520, -24.8600

Conversions

Conversions Part 2

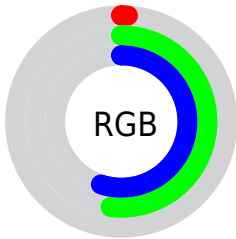
Format	Color
R_{YB}	3, 69, 140
Decimal	230540
CIE _{Lab}	50.00, -26.68, -12.90
CIE _{LCh}	50, 29.641, 205.808
Yxy	18.4187, 0.2203, 0.3115
Android (android.graphics.Color)	4278420620 (0xFF03848C)
YUV	94.3410, 22.5099, -80.1061
Hunter-Lab	42.9170, -20.9199, -8.1989

Details

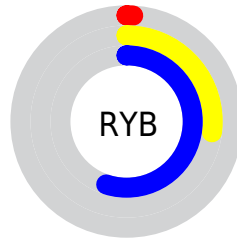
The CIELCh color **50, 29.641, 205.808** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 64.080, 39.477**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.705, 205.765**, and **31, 21.176, 210.783** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.762, 205.992**, and if you desaturate by 10%, it is **50, 29.067, 205.057**.

Distribution



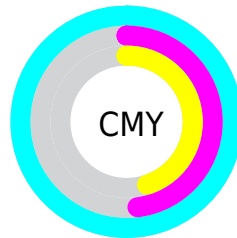
- Red (1%)
- Green (52%)
- Blue (55%)



- Red (1%)
- Yellow (27%)
- Blue (55%)



- Cyan (98%)
- Magenta (6%)
- Yellow (0%)
- Black (45%)





- Cyan (99%)
- Magenta (48%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.641, 205.808 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, 29.641, 205.808 by changing the saturation by 10% instead.

 50, 29.641,
205.808


 50, 29.641,
205.808


 100, 29.641,
205.808


 40, 29.641,
205.808


 70, 29.641,
205.808

 30, 29.641,
205.808

 80, 29.641,
205.808

 20, 29.641,
205.808

 90, 29.641,
205.808

 10, 29.641,
205.808

 0, 29.641, 205.808

 50, 29.641,
205.808

 50, 29.641,
205.808

■ 50, 29.762,
205.992

■ 50, 29.067,
205.057

■ 51, 27.965,
204.472

■ 51, 26.221,
204.064

■ 52, 23.828,
203.817

■ 53, 20.815,
203.714

■ 54, 17.236,
203.736

■ 55, 13.162,
203.867

■ 56, 8.670, 204.094

■ 57, 3.840, 204.438

Harmonies

Complementary

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



50, 29.641, 205.808



29, 64.080, 39.477

Rectangle

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



50, 29.641, 205.808



50, 29.641, 255.808



50, 29.641, 25.808



50, 29.641, 75.808

Sweetspot

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



50, 29.640, 205.807



69, 16.945, 203.832



50, 75.014, 136.692



36, 11.547, 203.778



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 29.640, 205.807



64, 35.905, 206.212



29, 48.527, 286.663



28, 2.810, 204.371



47, 28.622, 205.939



1, 1.335, 204.596

Inverse Universe

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



33, 70.255, 330.578



42, 85.359, 330.703



40, 52.391, 66.192



27, 5.228, 326.525



30, 68.009, 330.636



0, 2.413, 326.049

Previews

White Background



This preview shows how the CIELCh color 50, 29.641, 205.808 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, 29.641, 205.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

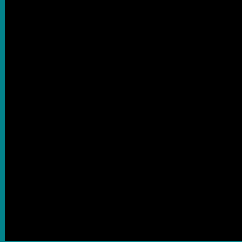
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.641, 205.808

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.641, 205.808.

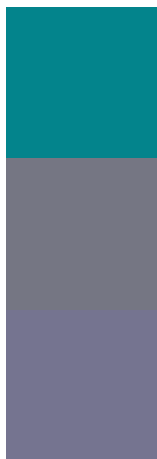


This preview shows how white text looks on a background with the CIELCh color 50, 29.641, 205.808.

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, 29.659, 205.801

Protanopia

50, 7.616, 288.279

Deuteranopia

50, 16.432, 293.562



Tritanopia
50, 29.044, 208.469

Trichromacy



Original Color
50, 29.659, 205.801

Protanomaly
49, 16.985, 220.466

Deuteranomaly
49, 18.996, 239.090

Tritanomaly
50, 29.251, 207.164

Monochromacy



Original Color
50, 29.659, 205.801

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 16.561, 203.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.641, 205.808 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, 132, 140)` looks like.

```
.text, #text, p{  
    color:rgb(3, 132, 140)  
}
```

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, 132, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 132, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.641, 205.808 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, 132, 140) }
```

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

```
.border{ border-color:rgb(3, 132, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 132, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(3, 132, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(3, 132, 140); box-shadow:4px 4px 4px 4px rgb(3, 132, 140) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.641, 205.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 132, 140) }
```

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

```
.background{ background-color: rgb(3, 132,  
140) }
```

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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