

Converting Colors

CIELCh(42, 92.550, 195.414)

Have a look what the booklet for
CIELCh(42, 92.550, 195.414)
contains.

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Color

CIELCh(49, 29.024, 208.495)

Conversions

Conversions Part 1

Format	Color
Hex	03818B
RGB	3, 129, 139
RGB Percent	1%, 51%, 55%
CMY	0.9866, 0.4940, 0.4548
CMYK	0.98, 0.07, 0.00, 0.45
HSL	184°, 95%, 28%
HSV	184°, 98%, 55%
XYZ	12.5584, 17.5941, 27.1713
YIQ	92.4660, -78.3060, -23.6020

Conversions

Conversions Part 2

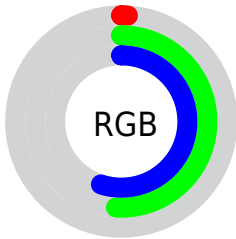
Format	Color
R_{YB}	3, 68, 139
Decimal	229771
CIE _{Lab}	49.00, -25.51, -13.85
CIE _{LCh}	49, 29.024, 208.495
Y _{xy}	17.5941, 0.2191, 0.3069
Android (android.graphics.Color)	4278419851 (0xFF03818B)
YUV	92.4660, 22.9413, -78.4617
Hunter-Lab	41.9453, -19.9615, -9.0452

Details

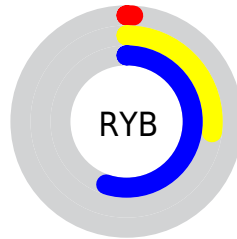
The CIELCh color **49, 29.024, 208.495** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 63.472, 39.732**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 28.982, 208.294**, and **30, 20.643, 215.088** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.142, 208.742**, and if you desaturate by 10%, it is **49, 28.473, 207.498**.

Distribution



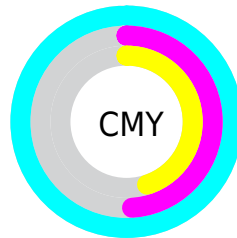
- Red (1%)
- Green (51%)
- Blue (55%)



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



- Cyan (98%)
- Magenta (7%)
- Yellow (0%)
- Black (45%)



- Cyan (99%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.024, 208.495 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 49, 29.024, 208.495 by changing the saturation by 10% instead.


 49, 29.024,
208.495

 49, 29.024,
208.495

 100, 29.024,
208.495

 39, 29.024,
208.495

 69, 29.024,
208.495

 29, 29.024,
208.495

 79, 29.024,
208.495

 19, 29.024,
208.495

 89, 29.024,
208.495

 9, 29.024, 208.495

 99, 29.024,
208.495

 0, 29.024, 208.495

 49, 29.024,

 49, 29.024,

208.495

■ 49, 29.142,
208.742

208.495

■ 49, 28.473,
207.498

■ 50, 27.401,
206.703

■ 51, 25.695,
206.123

■ 51, 23.351,
205.735

■ 52, 20.396,
205.515

■ 53, 16.886,
205.439

■ 54, 12.891,
205.487

■ 56, 8.487, 205.643

Harmonies

Complementary

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



49, 29.024, 208.495



29, 63.472, 39.732

Rectangle

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



49, 29.024, 208.495



49, 29.024, 258.495



49, 29.024, 28.495



49, 29.024, 78.495

Sweetspot

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



49, 29.023, 208.494



69, 16.706, 205.468



50, 74.266, 136.892



36, 11.384, 205.445



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 29.023, 208.494



63, 35.328, 209.038



28, 49.754, 288.018



28, 2.771, 205.866



47, 28.168, 208.681



1, 1.316, 206.038

Inverse Universe

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



32, 69.091, 331.240



42, 84.347, 331.398



40, 51.934, 67.699



27, 5.174, 326.968



30, 67.223, 331.311



0, 2.388, 326.488

Previews

White Background



This preview shows how the CIE LCh color 49, 29.024, 208.495 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 49, 29.024, 208.495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

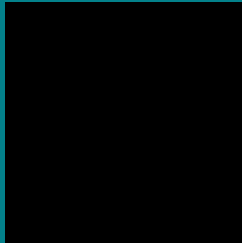
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.024, 208.495

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.024, 208.495.

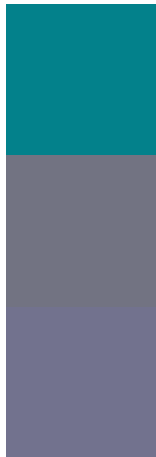


This preview shows how white text looks on a background with the CIELCh color 49, 29.024, 208.495.

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

49, 29.039, 208.483

Protanopia

49, 8.825, 288.858

Deuteranopia

49, 16.473, 292.321



Tritanopia
49, 28.838, 208.585

Trichromacy



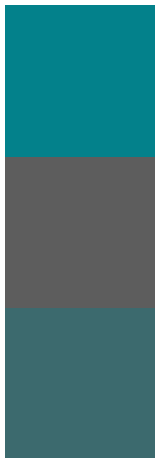
Original Color
49, 29.039, 208.483

Protanomaly
48, 17.045, 224.943

Deuteranomaly
48, 19.125, 241.402

Tritanomaly
49, 28.888, 208.559

Monochromacy



Original Color
49, 29.039, 208.483

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 16.254, 206.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.024, 208.495 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, 129, 139)` looks like.

```
.text, #text, p{  
    color:rgb(3, 129, 139)  
}
```

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, 129, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 129, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.024, 208.495 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, 129, 139) }
```

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

```
.border{ border-color:rgb(3, 129, 139) }
```

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

Here you see how a box with a 4 pixel rgb(3, 129, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 129, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 129, 139);  
box-shadow:4px 4px 4px 4px rgb(3, 129,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.024, 208.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 129, 139) }
```

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

```
.background{ background-color: rgb(3, 129,  
139) }
```

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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