

Converting Colors

CIELCh(49, 25.856, 196.784)

Have a look what the booklet for
CIELCh(49, 25.856, 196.784)
contains.

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Color

CIELCh(49, 25.804, 196.796)

Conversions

Conversions Part 1

Format	Color
Hex	2B8080
RGB	43, 128, 128
RGB Percent	17%, 50%, 50%
CMY	0.8300, 0.4970, 0.4970
CMYK	0.66, 0.00, 0.00, 0.50
HSL	180°, 49%, 34%
HSV	180°, 66%, 50%
XYZ	12.6778, 17.5941, 23.2408
YIQ	102.5850, -50.6600, -18.0200

Conversions

Conversions Part 2

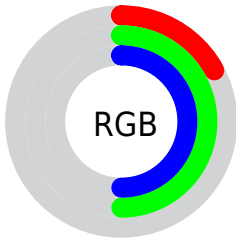
Format	Color
R_{YB}	43, 86, 128
Decimal	2850944
CIE _{Lab}	49.00, -24.70, -7.46
CIE _{LCh}	49, 25.804, 196.796
Yxy	17.5941, 0.2369, 0.3288
Android (android.graphics.Color)	4281041024 (0xFF2B8080)
YUV	102.5850, 12.5296, -52.2560
Hunter-Lab	41.9453, -19.4533, -3.4894

Details

The CIELCh color **49, 25.804, 196.796** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **31, 41.695, 28.513**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 25.643, 197.379**, and **29, 21.079, 198.194** is the 20% darker color. If you saturate the color by 10%, you get **49, 27.724, 196.609**, and if you desaturate by 10%, it is **49, 23.277, 197.042**.

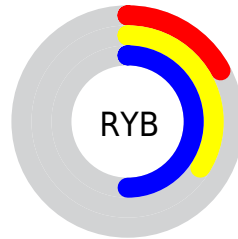
Distribution



Red (17%)

Green (50%)

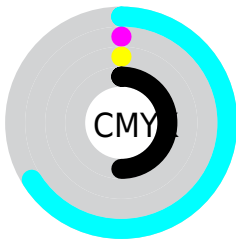
Blue (50%)



Red (17%)

Yellow (34%)

Blue (50%)

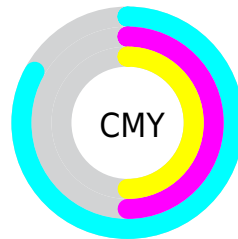


Cyan (66%)

Magenta (0%)

Yellow (0%)

Black (50%)



Cyan (83%)

Magenta (50%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 25.804, 196.796 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, 25.804, 196.796 by changing the saturation by 10% instead.


 49, 25.804,
196.796


 49, 25.804,
196.796


 100, 25.804,
196.796


 39, 25.804,
196.796

 69, 25.804,
196.796


 29, 25.804,
196.796

 79, 25.804,
196.796

 19, 25.804,
196.796

 89, 25.804,
196.796

 9, 25.804, 196.796

 99, 25.804,
196.796

 0, 25.804, 196.796

 49, 25.804,

 49, 25.804,

196.796

■ 49, 27.724,
196.609

■ 49, 29.041,
196.482

■ 48, 29.841,
196.405

■ 48, 30.109,
196.379

196.796

■ 49, 23.277,
197.042

■ 50, 20.168,
197.350

■ 51, 16.528,
197.717

■ 51, 12.423,
198.141

■ 52, 7.927, 198.621

■ 53, 3.115, 199.201

■ 54, 1.939, 19.403

■ 55, 7.172, 20.114

■ 57, 12.527, 20.718

Harmonies

Complementary

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



49, 25.804, 196.796



31, 41.695, 28.513

Rectangle

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



49, 25.804, 196.796



49, 25.804, 246.796



49, 25.804, 16.796



49, 25.804, 66.796

Sweetspot

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



49, 25.804, 196.795



66, 11.909, 198.410



47, 56.895, 138.548



34, 8.128, 198.297



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 25.804, 196.795



62, 34.243, 196.543



36, 27.609, 267.340



26, 2.793, 199.012



48, 29.979, 196.380



0, 0.000, 0.000

Inverse Universe

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



31, 41.695, 28.513



37, 62.139, 33.117



40, 33.918, 65.772



25, 2.951, 19.871



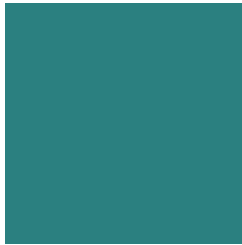
25, 61.100, 38.345



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 25.804, 196.796 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, 25.804, 196.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

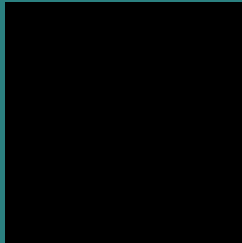
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 25.804, 196.796

Background



This preview shows how black text looks on a background with the CIELCh color 49, 25.804, 196.796.

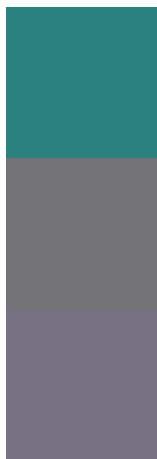


This preview shows how white text looks on a background with the CIELCh color 49, 25.804, 196.796.

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, 25.804, 196.796

Protanopia

49, 2.978, 298.263

Deuteranopia

49, 11.549, 305.098



Tritanopia
49, 24.068, 211.421

Trichromacy



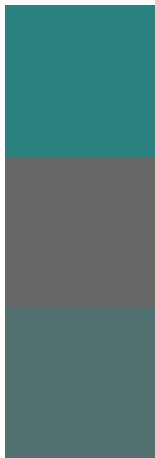
Original Color
49, 25.804, 196.796

Protanomaly
48, 11.224, 207.373

Deuteranomaly
48, 11.844, 235.414

Tritanomaly
49, 24.459, 206.817

Monochromacy



Original Color
49, 25.804, 196.796

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 11.691, 198.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 25.804, 196.796 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(43, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(43, 128, 128)  
}
```

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(43, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 128, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 25.804, 196.796 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(43, 128, 128) }
```

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

```
.border{ border-color:rgb(43, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(43, 128,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 25.804, 196.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 128, 128) }
```

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

```
.background{ background-color: rgb(43, 128,  
128) }
```

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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