

Converting Colors

CIELCh(49, 22.938, 159.157)

Have a look what the booklet for
CIELCh(49, 22.938, 159.157)
contains.

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Color

CIELCh(49, 22.911, 159.186)

Conversions

Conversions Part 1

Format	Color
Hex	507E66
RGB	80, 126, 102
RGB Percent	31%, 49%, 40%
CMY	0.6862, 0.5058, 0.5999
CMYK	0.37, 0.00, 0.19, 0.51
HSL	149°, 22%, 40%
HSV	149°, 37%, 49%
XYZ	13.1735, 17.5941, 15.2780
YIQ	109.5100, -19.7120, -17.2160

Conversions

Conversions Part 2

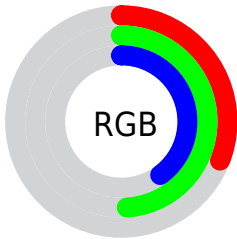
Format	Color
RYB	80, 111, 126
Decimal	5275238
CIELab	49.00, -21.42, 8.14
CIElCh	49, 22.911, 159.186
Yxy	17.5941, 0.2861, 0.3821
Android (android.graphics.Color)	4283465318 (0xFF507E66)
YUV	109.5100, -3.7024, -25.8803
Hunter-Lab	41.9453, -17.3436, 7.7661

Details

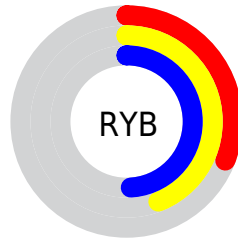
The CIELCh color **49, 22.911, 159.186** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 23.793, 345.774**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 22.926, 159.130**, and **29, 23.115, 158.566** is the 20% darker color. If you saturate the color by 10%, you get **48, 28.833, 158.005**, and if you desaturate by 10%, it is **50, 16.758, 160.236**.

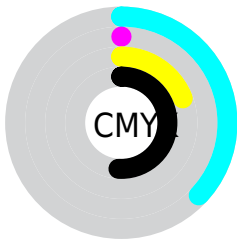
Distribution



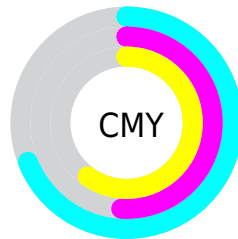
- Red (31%)
- Green (49%)
- Blue (40%)



- Red (31%)
- Yellow (44%)
- Blue (49%)



- Cyan (37%)
- Magenta (0%)
- Yellow (19%)
- Black (51%)



- Cyan (69%)
- Magenta (51%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 22.911, 159.186 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, 22.911, 159.186 by changing the saturation by 10% instead.

 49, 22.911,
159.186


 49, 22.911,
159.186

 100, 22.911,
159.186

 39, 22.911,
159.186

 69, 22.911,
159.186


 29, 22.911,
159.186


 79, 22.911,
159.186

 19, 22.911,
159.186

 89, 22.911,
159.186

 9, 22.911, 159.186

 99, 22.911,
159.186

 0, 22.911, 159.186

 49, 22.911,

 49, 22.911,

159.186

■ 48, 28.833,
158.005

■ 48, 34.420,
156.671

■ 47, 39.577,
155.165

■ 47, 44.224,
153.468

■ 46, 48.313,
151.575

■ 46, 51.890,
149.548

■ 46, 53.104,
148.887

159.186

■ 50, 16.758,
160.236

■ 51, 10.466,
161.180

■ 52, 4.119, 162.061

■ 53, 2.215, 342.625

■ 55, 8.482, 343.414

■ 56, 14.641,
344.067

■ 57, 20.664,
344.663

■ 59, 26.533,
345.215

■ 61, 32.237,

Harmonies

Complementary

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



49, 22.911, 159.186



40, 23.793, 345.774

Rectangle

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



49, 22.911, 159.186



49, 22.911, 209.186



49, 22.911, 339.186



49, 22.911, 29.186

Sweetspot

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



49, 22.912, 159.185



65, 8.618, 161.644



50, 27.942, 126.224



34, 5.762, 161.550



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 22.912, 159.185



62, 33.776, 158.188



50, 16.558, 194.549



26, 3.607, 161.831



47, 53.582, 148.857



0, 0.000, 0.000

Inverse Universe

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



40, 23.793, 345.774



48, 35.293, 346.769



39, 20.806, 20.061



25, 3.647, 343.161



27, 51.095, 358.580



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 49, 22.911, 159.186 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 CIE LCh color 49, 22.911, 159.186 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, 22.911, 159.186

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.911, 159.186.



This preview shows how white text looks on a background with the CIELCh color 49, 22.911, 159.186.

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, 22.911, 159.186

Protanopia
49, 11.394, 95.555

Deuteranopia
49, 9.104, 46.802



Tritanopia
49, 13.555, 224.106

Trichromacy



Original Color
49, 22.911, 159.186

Protanomaly
49, 13.442, 132.395

Deuteranomaly
48, 7.905, 124.417

Tritanomaly
49, 14.436, 193.171

Monochromacy



Original Color
49, 22.911, 159.186

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 8.734, 160.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.911, 159.186 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(80, 126, 102)` looks like.

```
.text, #text, p{  
    color:rgb(80, 126, 102)  
}
```

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(80, 126, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 126, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.911, 159.186 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(80, 126, 102) }
```

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

```
.border{ border-color:rgb(80, 126, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 126, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 126, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 126, 102);  
box-shadow:4px 4px 4px 4px rgb(80, 126,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.911, 159.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 126, 102) }
```

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

```
.background{ background-color: rgb(80, 126,  
102) }
```

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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