

Converting Colors

CIELCh(49, 23.181, 181.316)

Have a look what the booklet for
CIELCh(49, 23.181, 181.316)
contains.

CIELCh(49, 22.920, 182.059)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 22.920, 182.059)

Conversions

Conversions Part 1

Format	Color
Hex	407F75
RGB	64, 127, 117
RGB Percent	25%, 50%, 46%
CMY	0.7485, 0.5014, 0.5407
CMYK	0.50, 0.00, 0.08, 0.50
HSL	170°, 33%, 38%
HSV	170°, 50%, 50%
XYZ	12.9474, 17.5941, 19.5823
YIQ	107.0230, -34.3380, -16.4660

Conversions

Conversions Part 2

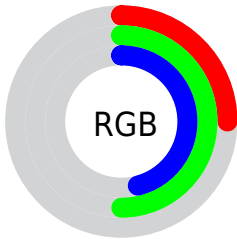
Format	Color
RYB	64, 98, 127
Decimal	4226933
CIELab	49.00, -22.91, -0.82
CIELCh	49, 22.920, 182.059
Yxy	17.5941, 0.2583, 0.3510
Android (android.graphics.Color)	4282417013 (0xFF407F75)
YUV	107.0230, 4.9187, -37.7312
Hunter-Lab	41.9453, -18.3061, 1.6819

Details

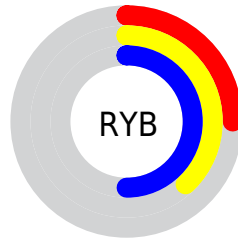
The CIELCh color **49, 22.920, 182.059** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 28.977, 12.819**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 23.006, 182.221**, and **29, 22.637, 182.816** is the 20% darker color. If you saturate the color by 10%, you get **48, 26.412, 181.010**, and if you desaturate by 10%, it is **50, 18.946, 183.037**.

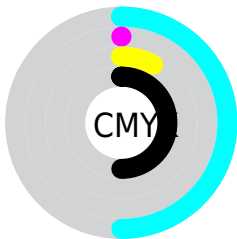
Distribution



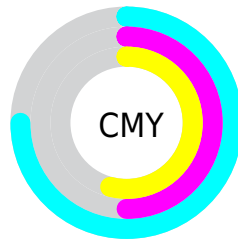
- Red (25%)
- Green (50%)
- Blue (46%)



- Red (25%)
- Yellow (38%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (8%)
- Black (50%)




- Cyan (75%)
- Magenta (50%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.920, 182.059 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, 22.920, 182.059 by changing the saturation by 10% instead.


 49, 22.920,
182.059


 49, 22.920,
182.059


 100, 22.920,
182.059


 39, 22.920,
182.059

 69, 22.920,
182.059


 29, 22.920,
182.059

 79, 22.920,
182.059

 19, 22.920,
182.059

 89, 22.920,
182.059

 9, 22.920, 182.059

 99, 22.920,
182.059

 0, 22.920, 182.059

 49, 22.920,

 49, 22.920,

182.059

182.059

■ 48, 26.412,
181.010

■ 50, 18.946,
183.037

■ 48, 29.363,
179.877

■ 50, 14.565,
183.964

■ 48, 31.739,
178.638

■ 51, 9.856, 184.855

■ 48, 33.541,
177.274

■ 52, 4.899, 185.737

■ 53, 0.234, 4.879

■ 47, 34.960,
175.845

■ 54, 5.478, 7.199

■ 47, 35.023,
175.784

■ 56, 10.781, 8.003

■ 57, 16.099, 8.764

■ 59, 21.399, 9.500

Harmonies

Complementary

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



49, 22.920, 182.059



35, 28.977, 12.819

Rectangle

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



49, 22.920, 182.059



49, 22.920, 232.059



49, 22.920, 2.059



49, 22.920, 52.059

Sweetspot

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



49, 22.920, 182.057



66, 9.465, 185.223



48, 42.039, 136.903



34, 6.487, 185.068



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, 22.920, 182.057



62, 32.378, 180.918



43, 18.273, 242.466



26, 2.898, 185.779



47, 35.098, 175.779



0, 0.000, 0.000

Inverse Universe

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



35, 28.977, 12.819



43, 43.264, 15.341



40, 24.329, 52.446



25, 3.013, 7.154



26, 56.155, 30.583



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 22.920, 182.059 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, 22.920, 182.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

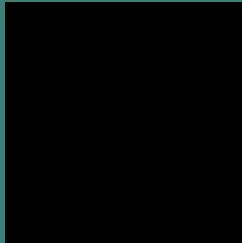
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.920, 182.059

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.920, 182.059.

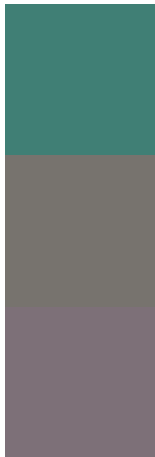


This preview shows how white text looks on a background with the CIELCh color 49, 22.920, 182.059.

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, 22.920, 182.059

Protanopia

49, 3.352, 80.217

Deuteranopia

49, 7.075, 338.628



Tritanopia
49, 18.914, 215.911

Trichromacy



Original Color
49, 22.920, 182.059

Protanomaly
48, 8.704, 174.488

Deuteranomaly
48, 5.856, 204.615

Tritanomaly
49, 19.590, 202.633

Monochromacy



Original Color
49, 22.920, 182.059

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.178, 187.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.920, 182.059 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(64, 127, 117)` looks like.

```
.text, #text, p{  
  color:rgb(64, 127, 117)  
}
```

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(64, 127, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 127, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.920, 182.059 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(64, 127, 117) }
```

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

```
.border{ border-color:rgb(64, 127, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 127, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 127, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 127, 117);  
box-shadow:4px 4px 4px 4px rgb(64, 127,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.920, 182.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 127, 117) }
```

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

```
.background{ background-color: rgb(64, 127,  
117) }
```

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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