

Converting Colors

CIELCh(49, 22.826, 161.404)

Have a look what the booklet for
CIELCh(49, 22.826, 161.404)
contains.

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Color

CIELCh(49, 22.787, 160.763)

Conversions

Conversions Part 1

Format	Color
Hex	4F7E67
RGB	79, 126, 103
RGB Percent	31%, 49%, 40%
CMY	0.6898, 0.5055, 0.5957
CMYK	0.37, 0.00, 0.18, 0.51
HSL	151°, 23%, 40%
HSV	151°, 37%, 49%
XYZ	13.1585, 17.5941, 15.5590
YIQ	109.3250, -20.6290, -17.1170

Conversions

Conversions Part 2

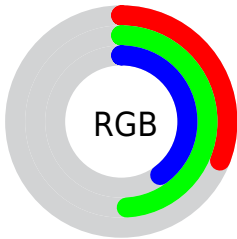
Format	Color
RYB	79, 110, 126
Decimal	5209703
CIELab	49.00, -21.51, 7.51
CIElCh	49, 22.787, 160.763
Yxy	17.5941, 0.2841, 0.3799
Android (android.graphics.Color)	4283399783 (0xFF4F7E67)
YUV	109.3250, -3.1182, -26.5950
Hunter-Lab	41.9453, -17.4078, 7.3689

Details

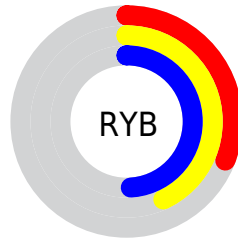
The CIELCh color $49, 22.787, 160.763$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 23.854, 347.727$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 22.830, 160.655$, and $29, 23.137, 160.499$ is the 20% darker color. If you saturate the color by 10%, you get $48, 28.506, 159.560$, and if you desaturate by 10%, it is $50, 16.821, 161.836$.

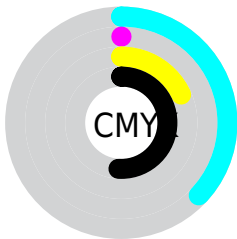
Distribution



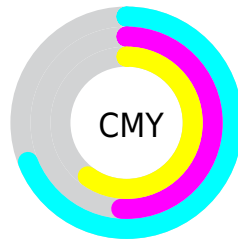
- Red (31%)
- Green (49%)
- Blue (40%)



- Red (31%)
- Yellow (43%)
- Blue (49%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (51%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.787, 160.763 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, 22.787, 160.763 by changing the saturation by 10% instead.


 49, 22.787,
160.763


 49, 22.787,
160.763


 100, 22.787,
160.763

 39, 22.787,
160.763

 69, 22.787,
160.763


 29, 22.787,
160.763

 79, 22.787,
160.763

 19, 22.787,
160.763

 89, 22.787,
160.763

 9, 22.787, 160.763

 99, 22.787,
160.763

 0, 22.787, 160.763

 49, 22.787,

 49, 22.787,

160.763

160.763

■ 48, 28.506,
159.560

■ 50, 16.821,
161.836

■ 48, 33.878,
158.206

■ 51, 10.700,
162.804

■ 47, 38.814,
156.679

■ 52, 4.507, 163.707

■ 47, 43.238,
154.962

■ 53, 1.690, 344.257

■ 54, 7.833, 345.115

■ 46, 47.112,
153.048

■ 56, 13.883,
345.797

■ 46, 50.509,
151.013

■ 57, 19.809,
346.423

■ 46, 51.415,
150.495

■ 59, 25.591,
347.005

■ 61, 31.219,

Harmonies

Complementary

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



49, 22.787, 160.763



40, 23.854, 347.727

Rectangle

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



49, 22.787, 160.763



49, 22.787, 210.763



49, 22.787, 340.763



49, 22.787, 30.763

Sweetspot

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



49, 22.788, 160.762



65, 8.418, 163.350



50, 28.778, 127.394



34, 5.627, 163.254



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, 22.788, 160.762



62, 33.572, 159.715



50, 16.707, 197.682



26, 3.524, 163.542



47, 51.855, 150.468



0, 0.000, 0.000

Inverse Universe

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



40, 23.854, 347.727



48, 35.430, 348.825



39, 21.446, 22.670



25, 3.568, 344.908



26, 50.738, 1.514



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 22.787, 160.763 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, 22.787, 160.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

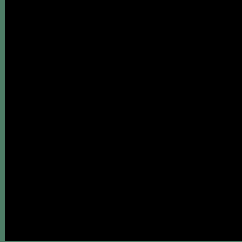
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.787, 160.763

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.787, 160.763.

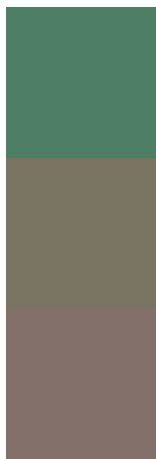


This preview shows how white text looks on a background with the CIELCh color 49, 22.787, 160.763.

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, 22.787, 160.763

Protanopia
49, 10.826, 94.971

Deuteranopia
49, 8.827, 43.537



Tritanopia
49, 13.839, 223.514

Trichromacy



Original Color
49, 22.787, 160.763

Protanomaly
49, 13.096, 135.034

Deuteranomaly
48, 7.342, 125.645

Tritanomaly
49, 14.758, 193.238

Monochromacy



Original Color
49, 22.787, 160.763

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 8.377, 164.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.787, 160.763 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(79, 126, 103)` looks like.

```
.text, #text, p{  
    color:rgb(79, 126, 103)  
}
```

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(79, 126, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 126, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.787, 160.763 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(79, 126, 103) }
```

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

```
.border{ border-color:rgb(79, 126, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 126, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 126, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 126, 103);  
box-shadow:4px 4px 4px 4px rgb(79, 126,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.787, 160.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 126, 103) }
```

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

```
.background{ background-color: rgb(79, 126,  
103) }
```

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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