

Converting Colors

CIELCh(49, 22.259, 165.607)

Have a look what the booklet for
CIELCh(49, 22.259, 165.607)
contains.

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Color

CIELCh(49, 22.204, 165.139)

Conversions

Conversions Part 1

Format	Color
Hex	4D7E6A
RGB	77, 126, 106
RGB Percent	30%, 49%, 42%
CMY	0.6974, 0.5052, 0.5837
CMYK	0.39, 0.00, 0.16, 0.51
HSL	156°, 24%, 40%
HSV	156°, 39%, 49%
XYZ	13.1666, 17.5941, 16.3825
YIQ	109.0690, -22.7840, -16.6080

Conversions

Conversions Part 2

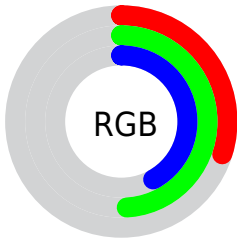
Format	Color
RYB	77, 108, 126
Decimal	5078634
CIELab	49.00, -21.46, 5.69
CIElCh	49, 22.204, 165.139
Yxy	17.5941, 0.2793, 0.3732
Android (android.graphics.Color)	4283268714 (0xFF4D7E6A)
YUV	109.0690, -1.5130, -28.1245
Hunter-Lab	41.9453, -17.3732, 6.2050

Details

The CIELCh color **49, 22.204, 165.139** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 23.832, 352.957**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 22.333, 164.838**, and **29, 22.310, 164.918** is the 20% darker color. If you saturate the color by 10%, you get **48, 27.423, 163.901**, and if you desaturate by 10%, it is **50, 16.699, 166.252**.

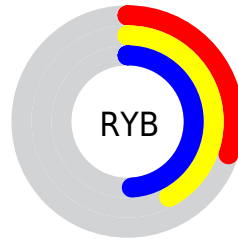
Distribution



Red (30%)

Green (49%)

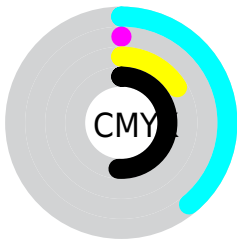
Blue (42%)



Red (30%)

Yellow (42%)

Blue (49%)

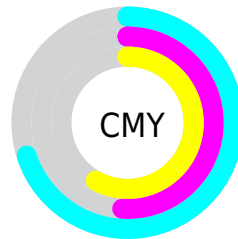


Cyan (39%)

Magenta (0%)

Yellow (16%)

Black (51%)



Cyan (70%)

Magenta (51%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.204, 165.139 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, 22.204, 165.139 by changing the saturation by 10% instead.


 49, 22.204,
165.139


 49, 22.204,
165.139

 100, 22.204,
165.139


 39, 22.204,
165.139

 69, 22.204,
165.139


 29, 22.204,
165.139

 79, 22.204,
165.139

 19, 22.204,
165.139

 89, 22.204,
165.139

 9, 22.204, 165.139

 99, 22.204,
165.139

 0, 22.204, 165.139

 49, 22.204,

 49, 22.204,

165.139

165.139

■ 48, 27.423,
163.901

■ 50, 16.699,
166.252

■ 48, 32.264,
162.520

■ 51, 10.997,
167.267

■ 47, 36.647,
160.972

■ 52, 5.179, 168.217

■ 47, 40.513,
159.237

■ 53, 0.684, 348.544

■ 54, 6.533, 349.737

■ 47, 43.839,
157.307

■ 56, 12.324,
350.491

■ 46, 46.765,
155.291

■ 57, 18.023,
351.186

■ 46, 47.103,
155.072

■ 59, 23.608,
351.838

■ 60, 29.062,

Harmonies

Complementary

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



49, 22.204, 165.139



39, 23.832, 352.957

Rectangle

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



49, 22.204, 165.139



49, 22.204, 215.139



49, 22.204, 345.139



49, 22.204, 35.139

Sweetspot

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



49, 22.205, 165.138



65, 8.669, 167.894



50, 30.661, 130.201



34, 5.719, 167.800



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, 22.205, 165.138



62, 32.621, 163.999



48, 15.929, 206.545



26, 3.329, 168.192



47, 47.482, 155.046



0, 0.000, 0.000

Inverse Universe

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



39, 23.832, 352.957



47, 35.534, 354.317



39, 20.922, 29.078



25, 3.387, 349.637



26, 50.556, 9.099



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 22.204, 165.139 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, 22.204, 165.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

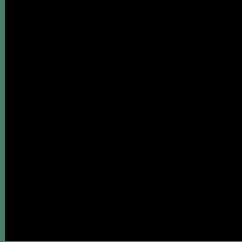
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.204, 165.139

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.204, 165.139.

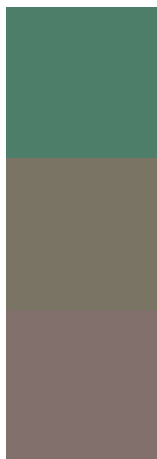


This preview shows how white text looks on a background with the CIELCh color 49, 22.204, 165.139.

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, 22.204, 165.139

Protanopia

49, 9.129, 92.721

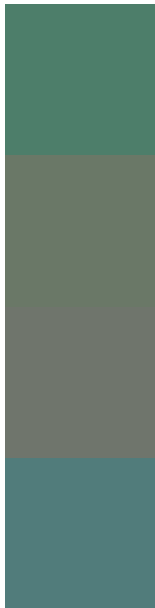
Deuteranopia

49, 7.779, 33.198



Tritanopia
49, 14.814, 219.123

Trichromacy



Original Color
49, 22.204, 165.139

Protanomaly
49, 11.545, 138.865

Deuteranomaly
48, 5.844, 134.382

Tritanomaly
49, 15.588, 195.593

Monochromacy



Original Color
49, 22.204, 165.139

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 8.366, 168.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.204, 165.139 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(77, 126, 106)` looks like.

```
.text, #text, p{  
    color:rgb(77, 126, 106)  
}
```

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(77, 126, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 126, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.204, 165.139 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(77, 126, 106) }
```

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

```
.border{ border-color:rgb(77, 126, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 126, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 126, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 126, 106);  
box-shadow:4px 4px 4px 4px rgb(77, 126,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.204, 165.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 126, 106) }
```

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

```
.background{ background-color: rgb(77, 126,  
106) }
```

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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