

Converting Colors

CIELCh(49, 20.824, 162.890)

Have a look what the booklet for
CIELCh(49, 20.824, 162.890)
contains.

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Color

CIELCh(49, 21.461, 162.161)

Conversions

Conversions Part 1

Format	Color
Hex	517E69
RGB	81, 126, 105
RGB Percent	32%, 49%, 41%
CMY	0.6835, 0.5071, 0.5894
CMYK	0.36, 0.00, 0.17, 0.51
HSL	152°, 22%, 40%
HSV	152°, 36%, 49%
XYZ	13.3248, 17.5941, 15.9794
YIQ	110.1510, -20.0790, -16.0710

Conversions

Conversions Part 2

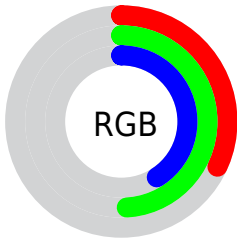
Format	Color
RYB	81, 110, 126
Decimal	5340777
CIELab	49.00, -20.43, 6.57
CIELCh	49, 21.461, 162.161
Yxy	17.5941, 0.2841, 0.3752
Android (android.graphics.Color)	4283530857 (0xFF517E69)
YUV	110.1510, -2.5394, -25.5654
Hunter-Lab	41.9453, -16.6999, 6.7747

Details

The CIELCh color **49, 21.461, 162.161** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 22.552, 348.915**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 21.562, 161.862**, and **29, 21.557, 161.867** is the 20% darker color. If you saturate the color by 10%, you get **48, 27.081, 160.972**, and if you desaturate by 10%, it is **50, 15.604, 163.225**.

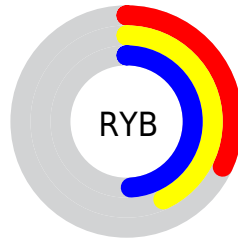
Distribution



Red (32%)

Green (49%)

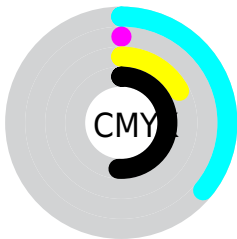
Blue (41%)



Red (32%)

Yellow (43%)

Blue (49%)

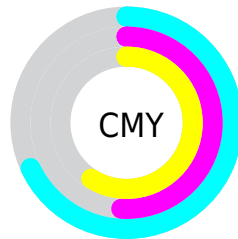


Cyan (36%)

Magenta (0%)

Yellow (17%)

Black (51%)



Cyan (68%)


Magenta (51%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.461, 162.161 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, 21.461, 162.161 by changing the saturation by 10% instead.


 49, 21.461,
162.161


 49, 21.461,
162.161


 100, 21.461,
162.161


 39, 21.461,
162.161

 69, 21.461,
162.161


 29, 21.461,
162.161

 79, 21.461,
162.161

 19, 21.461,
162.161

 89, 21.461,
162.161

 9, 21.461, 162.161

 99, 21.461,
162.161

 0, 21.461, 162.161

 49, 21.461,

 49, 21.461,

162.161

■ 48, 27.081,
160.972

■ 48, 32.365,
159.639

■ 47, 37.224,
158.138

■ 47, 41.585,
156.451

■ 46, 45.405,
154.566

■ 46, 48.720,
152.525

■ 46, 50.072,
151.714

162.161

■ 50, 15.604,
163.225

■ 51, 9.596, 164.191

■ 52, 3.520, 165.110

■ 53, 2.558, 345.701

■ 55, 8.586, 346.511

■ 56, 14.523,
347.201

■ 57, 20.340,
347.838

■ 59, 26.019,
348.433

■ 61, 31.548,
348.992

Harmonies

Complementary

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



49, 21.461, 162.161



40, 22.552, 348.915

Rectangle

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



49, 21.461, 162.161



49, 21.461, 212.161



49, 21.461, 342.161



49, 21.461, 32.161

Sweetspot

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



49, 21.462, 162.160



65, 8.280, 164.606



50, 27.827, 128.639



34, 5.535, 164.508



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, 21.462, 162.160



62, 31.572, 161.193



49, 15.550, 201.074



26, 3.467, 164.801



47, 50.623, 151.678



0, 0.000, 0.000

Inverse Universe

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



40, 22.552, 348.915



48, 33.496, 349.956



40, 19.832, 24.882



25, 3.515, 346.191



26, 50.581, 3.630



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 21.461, 162.161 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, 21.461, 162.161 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, 21.461, 162.161

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.461, 162.161.

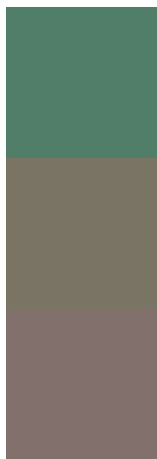


This preview shows how white text looks on a background with the CIELCh color 49, 21.461, 162.161.

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, 21.461, 162.161

Protanopia

49, 9.693, 93.568

Deuteranopia

49, 7.958, 37.230



Tritanopia
49, 13.555, 224.106

Trichromacy



Original Color
49, 21.461, 162.161

Protanomaly
49, 11.858, 135.803

Deuteranomaly
49, 6.227, 128.724

Tritanomaly
49, 14.002, 195.505

Monochromacy



Original Color
49, 21.461, 162.161

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 8.364, 164.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.461, 162.161 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(81, 126, 105)` looks like.

```
.text, #text, p{  
    color:rgb(81, 126, 105)  
}
```

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(81, 126, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 126, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.461, 162.161 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(81, 126, 105) }
```

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

```
.border{ border-color:rgb(81, 126, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 126, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 126, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 126, 105);  
box-shadow:4px 4px 4px 4px rgb(81, 126,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.461, 162.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 126, 105) }
```

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

```
.background{ background-color: rgb(81, 126,  
105) }
```

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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