

Converting Colors

CIELCh(49, 23.574, 163.290)

Have a look what the booklet for
CIELCh(49, 23.574, 163.290)
contains.

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Color

CIELCh(49, 23.846, 162.512)

Conversions

Conversions Part 1

Format	Color
Hex	4C7F68
RGB	76, 127, 104
RGB Percent	30%, 50%, 41%
CMY	0.7034, 0.5034, 0.5936
CMYK	0.40, 0.00, 0.18, 0.50
HSL	153°, 25%, 40%
HSV	153°, 40%, 50%
XYZ	12.9718, 17.5941, 15.7121
YIQ	109.1290, -23.0130, -17.9650

Conversions

Conversions Part 2

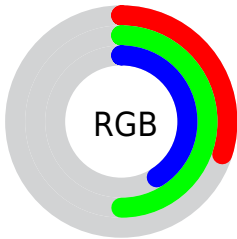
Format	Color
RYB	76, 109, 127
Decimal	5013352
CIELab	49.00, -22.74, 7.17
CIELCh	49, 23.846, 162.512
Yxy	17.5941, 0.2803, 0.3802
Android (android.graphics.Color)	4283203432 (0xFF4C7F68)
YUV	109.1290, -2.5286, -29.0541
Hunter-Lab	41.9453, -18.2024, 7.1525

Details

The CIELCh color $49, 23.846, 162.512$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 25.311, 350.442$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 23.900, 162.470$, and $29, 23.583, 162.991$ is the 20% darker color. If you saturate the color by 10%, you get $48, 29.270, 161.257$, and if you desaturate by 10%, it is $50, 18.135, 163.634$.

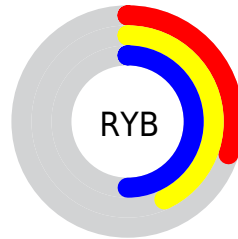
Distribution



Red (30%)

Green (50%)

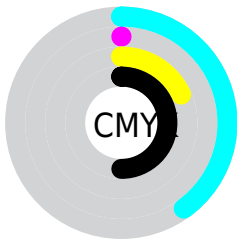
Blue (41%)



Red (30%)

Yellow (43%)

Blue (50%)

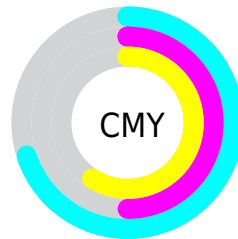


Cyan (40%)

Magenta (0%)

Yellow (18%)

Black (50%)



Cyan (70%)

Magenta (50%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 23.846, 162.512 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, 23.846, 162.512 by changing the saturation by 10% instead.


 49, 23.846,
162.512


 49, 23.846,
162.512


 100, 23.846,
162.512


 39, 23.846,
162.512

 69, 23.846,
162.512


 29, 23.846,
162.512

 79, 23.846,
162.512

 19, 23.846,
162.512

 89, 23.846,
162.512

 9, 23.846, 162.512

 99, 23.846,
162.512

 0, 23.846, 162.512

 49, 23.846,

 49, 23.846,

162.512

162.512

■ 48, 29.270,
161.257

■ 50, 18.135,
163.634

■ 48, 34.312,
159.849

■ 51, 12.228,
164.648

■ 47, 38.888,
158.265

■ 52, 6.212, 165.584

■ 47, 42.940,
156.489

■ 53, 0.158, 168.282

■ 54, 5.872, 347.083

■ 47, 46.443,
154.516

■ 56, 11.834,
347.819

■ 46, 49.510,
152.564

■ 57, 17.692,
348.490

■ 59, 23.423,
349.115

■ 60, 29.013,

Harmonies

Complementary

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



49, 23.846, 162.512



39, 25.311, 350.442

Rectangle

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



49, 23.846, 162.512



49, 23.846, 212.512



49, 23.846, 342.512



49, 23.846, 32.512

Sweetspot

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



49, 23.847, 162.511



66, 9.045, 165.398



50, 31.413, 128.432



35, 6.045, 165.303



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, 23.847, 162.511



62, 34.908, 161.404



49, 17.264, 200.976



26, 3.429, 165.691



47, 49.774, 152.546



0, 0.000, 0.000

Inverse Universe

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



39, 25.311, 350.442



47, 37.433, 351.691



38, 22.807, 25.432



25, 3.479, 347.097



26, 50.521, 5.100



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 49, 23.846, 162.512 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, 23.846, 162.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

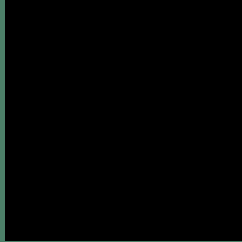
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 23.846, 162.512

Background



This preview shows how black text looks on a background with the CIELCh color 49, 23.846, 162.512.



This preview shows how white text looks on a background with the CIELCh color 49, 23.846, 162.512.

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, 23.846, 162.512

Protanopia

49, 10.826, 94.971

Deuteranopia

49, 8.175, 41.061



Tritanopia
49, 14.814, 219.123

Trichromacy



Original Color
49, 23.846, 162.512

Protanomaly
49, 13.292, 136.570

Deuteranomaly
48, 7.090, 133.324

Tritanomaly
49, 16.012, 193.477

Monochromacy



Original Color
49, 23.846, 162.512

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 8.701, 165.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 23.846, 162.512 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(76, 127, 104)` looks like.

```
.text, #text, p{  
    color:rgb(76, 127, 104)  
}
```

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(76, 127, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 127, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 23.846, 162.512 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(76, 127, 104) }
```

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

```
.border{ border-color:rgb(76, 127, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 127, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 127, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 127, 104);  
box-shadow:4px 4px 4px 4px rgb(76, 127,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 23.846, 162.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 127, 104) }
```

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

```
.background{ background-color: rgb(76, 127,  
104) }
```

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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