

Converting Colors

CIELCh(49, 9.895, 235.450)

Have a look what the booklet for
CIELCh(49, 9.895, 235.450) contains.

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Color

CIELCh(49, 9.869, 235.420)

Conversions

Conversions Part 1

Format	Color
Hex	627882
RGB	98, 120, 130
RGB Percent	38%, 47%, 51%
CMY	0.6162, 0.5300, 0.4908
CMYK	0.25, 0.08, 0.00, 0.49
HSL	199°, 14%, 45%
HSV	199°, 25%, 51%
XYZ	15.7396, 17.5941, 23.6332
YIQ	114.5620, -16.3220, -1.5540

Conversions

Conversions Part 2

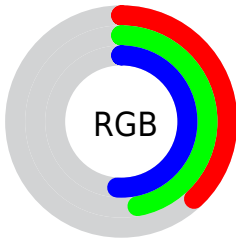
Format	Color
R_{YB}	98, 111, 130
Decimal	6453378
CIE Lab	49.00, -5.60, -8.13
CIE LCh	49, 9.869, 235.420
Yxy	17.5941, 0.2763, 0.3088
Android (android.graphics.Color)	4284643458 (0xFF627882)
YUV	114.5620, 7.6109, -14.5249
Hunter-Lab	41.9453, -6.4237, -4.0441

Details

The CIELCh color `49, 9.869, 235.420` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `47, 11.297, 51.490`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `69, 9.988, 236.264`, and `29, 10.033, 233.863` is the 20% darker color. If you saturate the color by 10%, you get `47, 13.507, 236.754`, and if you desaturate by 10%, it is `51, 5.998, 234.359`.

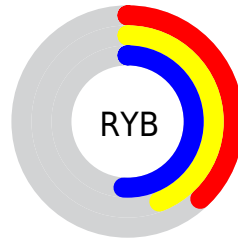
Distribution



Red (38%)

Green (47%)

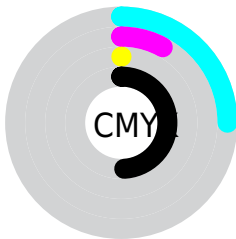
Blue (51%)



Red (38%)

Yellow (44%)

Blue (51%)

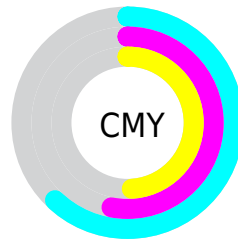


Cyan (25%)

Magenta (8%)

Yellow (0%)

Black (49%)



Cyan (62%)

Magenta (53%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.869, 235.420 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, 9.869, 235.420 by changing the saturation by 10% instead.

■ 49, 9.869, 235.420

■ 49, 9.869, 235.420

■ 100, 9.869,
235.420

■ 39, 9.869, 235.420

■ 69, 9.869, 235.420

■ 29, 9.869, 235.420

■ 79, 9.869, 235.420

■ 19, 9.869, 235.420

■ 89, 9.869, 235.420

■ 9, 9.869, 235.420

■ 99, 9.869, 235.420

■ 0, 9.869, 235.420

■ 49, 9.869, 235.420

■ 49, 9.869, 235.420

■ 47, 13.507,
236.754

■ 51, 5.998, 234.359

■ 45, 16.870,

■ 53, 1.939, 233.624

238.434

56, 2.269, 52.587

43, 19.918,
240.528

58, 6.590, 52.139

41, 22.624,
243.116

60, 10.996, 51.718

40, 24.985,
246.274

62, 15.461, 51.371

38, 27.031,
250.057

65, 19.965, 51.089

36, 28.847,
254.432

67, 24.491, 50.859

36, 29.841,
256.745

69, 29.027, 50.672

Harmonies

Complementary

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



49, 9.869, 235.420



47, 11.297, 51.490

Rectangle

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



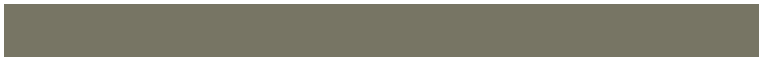
49, 9.869, 235.420



49, 9.869, 285.420



49, 9.869, 55.420



49, 9.869, 105.420

Sweetspot

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



49, 9.869, 235.414



67, 3.599, 233.758



51, 18.324, 152.459



35, 2.325, 233.787



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, 9.869, 235.414



61, 14.622, 236.186



44, 15.429, 283.588



26, 2.300, 233.892



35, 29.424, 256.644



0, 0.000, 0.000

Inverse Universe

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



45, 18.336, 336.492



56, 27.602, 336.957



52, 15.025, 97.654



25, 4.098, 335.358



27, 55.118, 345.094



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 9.869, 235.420 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, 9.869, 235.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

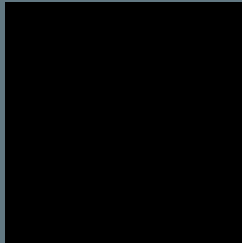
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

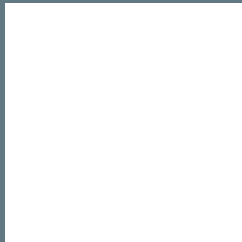
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 9.869, 235.420

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.869, 235.420.



This preview shows how white text looks on a background with the CIELCh color 49, 9.869, 235.420.

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, 9.869, 235.420

Protanopia

49, 7.060, 291.115

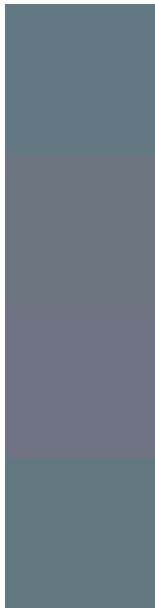
Deuteranopia

49, 10.979, 305.787



Tritanopia
49, 9.576, 232.364

Trichromacy



Original Color
49, 9.869, 235.420

Protanomaly
49, 7.080, 265.471

Deuteranomaly
49, 9.458, 284.504

Tritanomaly
49, 9.576, 232.364

Monochromacy



Original Color
49, 9.869, 235.420

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.882, 236.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.869, 235.420 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(98, 120, 130)` looks like.

```
.text, #text, p{  
    color:rgb(98, 120, 130)  
}
```

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(98, 120, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 120, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.869, 235.420 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(98, 120, 130) }
```

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

```
.border{ border-color:rgb(98, 120, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 120, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 120, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 120, 130);  
box-shadow:4px 4px 4px 4px rgb(98, 120,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.869, 235.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 120, 130) }
```

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

```
.background{ background-color: rgb(98, 120,  
130) }
```

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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