

Converting Colors

CIELCh(49, 22.245, 292.828)

Have a look what the booklet for
CIELCh(49, 22.245, 292.828)
contains.

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Color

CIELCh(49, 22.358, 293.060)

Conversions

Conversions Part 1

Format	Color
Hex	717197
RGB	113, 113, 151
RGB Percent	44%, 44%, 59%
CMY	0.5564, 0.5564, 0.4073
CMYK	0.25, 0.25, 0.00, 0.41
HSL	240°, 15%, 52%
HSV	240°, 25%, 59%
XYZ	18.3403, 17.5941, 31.7613
YIQ	117.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

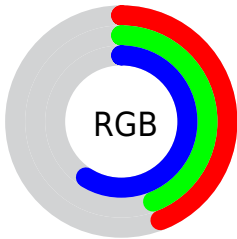
Format	Color
R_{YB}	113, 113, 151
Decimal	7434647
CIE _{Lab}	49.00, 8.76, -20.57
CIE _{LCh}	49, 22.358, 293.060
Yxy	17.5941, 0.2709, 0.2599
Android (android.graphics.Color)	4285624727 (0xFF717197)
YUV	117.3320, 16.5983, -3.7992
Hunter-Lab	41.9453, 4.6437, -15.5332

Details

The CIELCh color $49, 22.358, 293.060$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 21.100, 107.808$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 22.004, 292.365$, and $29, 22.562, 293.406$ is the 20% darker color. If you saturate the color by 10%, you get $44, 31.905, 294.563$, and if you desaturate by 10%, it is $54, 13.198, 291.775$.

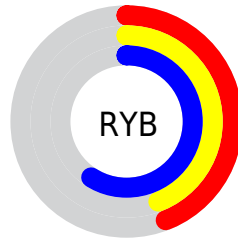
Distribution



Red (44%)

Green (44%)

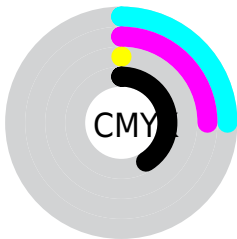
Blue (59%)



Red (44%)

Yellow (44%)

Blue (59%)

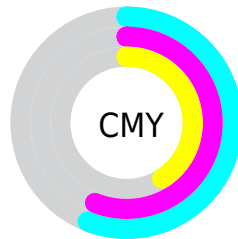


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (41%)



Cyan (56%)

Magenta (56%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.358, 293.060 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, 22.358, 293.060 by changing the saturation by 10% instead.

■ 49, 22.358,
293.060

■ 49, 22.358,
293.060

■ 100, 22.358,
293.060

■ 39, 22.358,
293.060

■ 69, 22.358,
293.060

■ 29, 22.358,
293.060

■ 79, 22.358,
293.060

■ 19, 22.358,
293.060

■ 89, 22.358,
293.060

■ 9, 22.358, 293.060

■ 99, 22.358,
293.060

■ 0, 22.358, 293.060

■ 49, 22.358,

■ 49, 22.358,

293.060

293.060

■ 44, 31.905,
294.563

■ 54, 13.198,
291.775

■ 38, 41.850,
296.305

■ 60, 4.403, 290.689

■ 33, 52.149,
298.274

■ 65, 4.056, 109.734

■ 28, 62.621,
300.409

■ 70, 12.202,
108.949

■ 24, 72.786,
302.551

■ 76, 20.060,
108.271

■ 20, 81.664,
304.432

■ 81, 27.648,
107.688

■ 18, 87.927,
305.742

■ 86, 34.985,
107.185

■ 17, 90.569,
306.287

■ 91, 42.086,
106.748

 96, 48.967,
106.368

Harmonies

Complementary

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



49, 22.358, 293.060



62, 21.100, 107.808

Rectangle

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



49, 22.358, 293.060



49, 22.358, 343.060



49, 22.358, 113.060



49, 22.358, 163.060

Sweetspot

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



49, 22.357, 293.059



74, 8.513, 290.996



60, 13.661, 198.176



38, 6.114, 291.147



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 22.357, 293.059



59, 33.389, 293.850



51, 23.392, 310.237



29, 4.917, 291.110



15, 85.765, 306.287



0, 5.229, 290.180

Inverse Universe

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



53, 26.277, 325.774



65, 38.744, 326.057



60, 22.614, 127.941



30, 5.940, 324.914



33, 74.066, 328.235



1, 6.386, 324.440

Previews

White Background



This preview shows how the CIELCh color 49, 22.358, 293.060 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, 22.358, 293.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

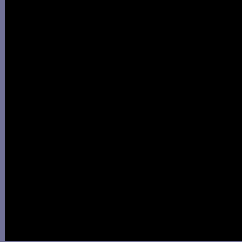
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.358, 293.060

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.358, 293.060.



This preview shows how white text looks on a background with the CIELCh color 49, 22.358, 293.060.

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, 22.358, 293.060

Protanopia

49, 22.439, 285.126

Deuteranopia

49, 21.778, 288.394



Tritanopia
49, 6.444, 254.460

Trichromacy



Original Color
49, 22.358, 293.060

Protanomaly
49, 22.360, 288.603

Deuteranomaly
49, 21.761, 289.299

Tritanomaly
49, 11.905, 280.929

Monochromacy



Original Color
49, 22.358, 293.060

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.636, 291.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.358, 293.060 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(113, 113, 151)` looks like.

```
.text, #text, p{  
    color:rgb(113, 113, 151)  
}
```

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(113, 113, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 113, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.358, 293.060 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(113, 113, 151) }
```

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

```
.border{ border-color:rgb(113, 113, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 113, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 113, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 113, 151);  
box-shadow:4px 4px 4px 4px rgb(113, 113,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.358, 293.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 113, 151) }
```

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

```
.background{ background-color: rgb(113,  
113, 151) }
```

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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