

Converting Colors

CIELCh(49, 13.207, 256.878)

Have a look what the booklet for
CIELCh(49, 13.207, 256.878)
contains.

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Color

CIELCh(49, 13.222, 256.912)

Conversions

Conversions Part 1

Format	Color
Hex	62778A
RGB	98, 119, 138
RGB Percent	38%, 47%, 54%
CMY	0.6161, 0.5337, 0.4592
CMYK	0.29, 0.14, 0.00, 0.46
HSL	208°, 17%, 46%
HSV	208°, 29%, 54%
XYZ	16.1922, 17.5941, 26.5493
YIQ	114.8870, -18.6150, 1.4570

Conversions

Conversions Part 2

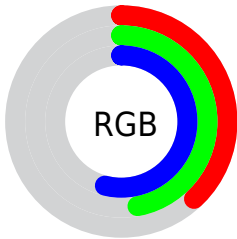
Format	Color
R_{YB}	98, 112, 138
Decimal	6453130
CIE _{Lab}	49.00, -2.99, -12.88
CIE _{LCh}	49, 13.222, 256.912
Yxy	17.5941, 0.2684, 0.2916
Android (android.graphics.Color)	4284643210 (0xFF62778A)
YUV	114.8870, 11.3947, -14.8099
Hunter-Lab	41.9453, -4.4975, -8.1659

Details

The CIELCh color $49, 13.222, 256.912$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 14.455, 69.285$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 12.985, 257.164$, and $29, 13.073, 256.065$ is the 20% darker color. If you saturate the color by 10%, you get $46, 17.603, 258.926$, and if you desaturate by 10%, it is $52, 8.737, 255.220$.

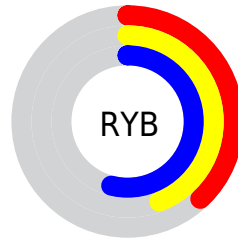
Distribution



Red (38%)

Green (47%)

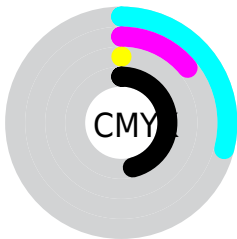
Blue (54%)



Red (38%)

Yellow (44%)

Blue (54%)

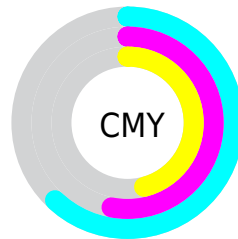


Cyan (29%)

Magenta (14%)

Yellow (0%)

Black (46%)



Cyan (62%)


Magenta (53%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.222, 256.912 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, 13.222, 256.912 by changing the saturation by 10% instead.


 49, 13.222,
256.912


 49, 13.222,
256.912


 100, 13.222,
256.912


 39, 13.222,
256.912

 69, 13.222,
256.912


 29, 13.222,
256.912

 79, 13.222,
256.912

 19, 13.222,
256.912

 89, 13.222,
256.912

 9, 13.222, 256.912

 99, 13.222,
256.912

 0, 13.222, 256.912

 49, 13.222,

 49, 13.222,

256.912

256.912

■ 46, 17.603,
258.926

■ 52, 8.737, 255.220

■ 43, 21.868,
261.328

■ 55, 4.170, 253.824

■ 41, 26.013,
264.170

■ 58, 0.459, 71.899

■ 38, 30.052,
267.492

■ 61, 5.129, 71.452

■ 36, 34.024,
271.299

■ 64, 9.823, 70.595

■ 33, 37.995,
275.535

■ 67, 14.526, 69.842

■ 31, 42.073,
279.880

■ 70, 19.224, 69.183

■ 31, 42.493,
280.282

■ 73, 23.908, 68.604

■ 76, 28.568, 68.093

Harmonies

Complementary

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



49, 13.222, 256.912



51, 14.455, 69.285

Rectangle

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



49, 13.222, 256.912



49, 13.222, 306.912



49, 13.222, 76.912



49, 13.222, 126.912

Sweetspot

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



49, 13.221, 256.909



69, 5.146, 253.848



54, 19.891, 159.379



36, 3.559, 254.010



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 13.221, 256.909



60, 19.568, 258.231



43, 23.251, 292.289



28, 2.610, 253.843



29, 41.159, 280.091



1, 1.219, 252.665

Inverse Universe

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



46, 20.375, 344.830



56, 30.382, 345.541



56, 21.833, 106.023



27, 3.898, 342.999



28, 52.583, 358.448



0, 1.791, 342.322

Previews

White Background



This preview shows how the CIELCh color 49, 13.222, 256.912 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, 13.222, 256.912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

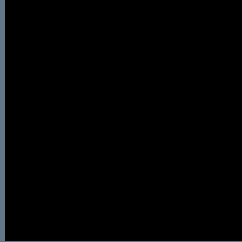
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

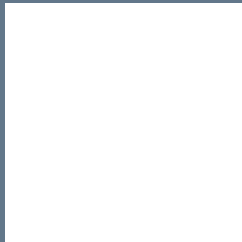
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 13.222, 256.912

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.222, 256.912.



This preview shows how white text looks on a background with the CIELCh color 49, 13.222, 256.912.

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, 13.222, 256.912

Protanopia

49, 11.792, 286.261

Deuteranopia

49, 14.742, 294.983



Tritanopia
49, 10.430, 233.112

Trichromacy



Original Color
49, 13.222, 256.912

Protanomaly
49, 12.128, 275.836

Deuteranomaly
49, 13.686, 281.141

Tritanomaly
49, 11.133, 242.280

Monochromacy



Original Color
49, 13.222, 256.912

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.887, 256.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.222, 256.912 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, 119, 138)` looks like.

```
.text, #text, p{  
    color:rgb(98, 119, 138)  
}
```

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, 119, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 119, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.222, 256.912 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, 119, 138) }
```

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

```
.border{ border-color:rgb(98, 119, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 119, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 119, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 119, 138);  
box-shadow:4px 4px 4px 4px rgb(98, 119,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.222, 256.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 119, 138) }
```

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

```
.background{ background-color: rgb(98, 119,  
138) }
```

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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