

Converting Colors

CIELCh(49, 10.955, 248.362)

Have a look what the booklet for
CIELCh(49, 10.955, 248.362)
contains.

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Color

CIELCh(49, 10.823, 248.626)

Conversions

Conversions Part 1

Format	Color
Hex	637785
RGB	99, 119, 133
RGB Percent	39%, 47%, 52%
CMY	0.6111, 0.5327, 0.4778
CMYK	0.26, 0.11, 0.00, 0.48
HSL	205°, 15%, 46%
HSV	205°, 26%, 52%
XYZ	16.0262, 17.5941, 24.8042
YIQ	114.6160, -16.4140, 0.1140

Conversions

Conversions Part 2

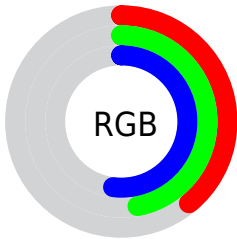
Format	Color
RYB	99, 112, 133
Decimal	6518661
CIELab	49.00, -3.94, -10.08
CIElCh	49, 10.823, 248.626
Yxy	17.5941, 0.2743, 0.3011
Android (android.graphics.Color)	4284708741 (0xFF637785)
YUV	114.6160, 9.0633, -13.6952
Hunter-Lab	41.9453, -5.2039, -5.6992

Details

The CIELCh color $49, 10.823, 248.626$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 12.007, 62.720$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 10.896, 248.376$, and $29, 11.029, 248.385$ is the 20% darker color. If you saturate the color by 10%, you get $46, 14.813, 250.389$, and if you desaturate by 10%, it is $52, 6.678, 247.168$.

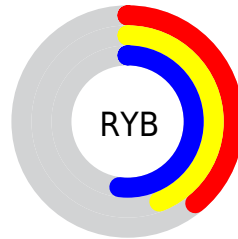
Distribution



Red (39%)

Green (47%)

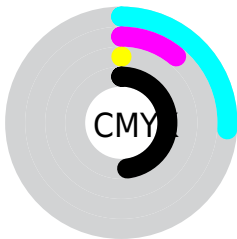
Blue (52%)



Red (39%)

Yellow (44%)

Blue (52%)

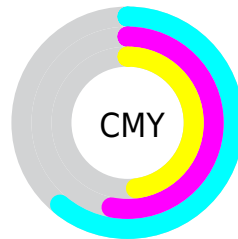


Cyan (26%)

Magenta (11%)

Yellow (0%)

Black (48%)



Cyan (61%)

Magenta (53%)

Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 10.823, 248.626 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, 10.823, 248.626 by changing the saturation by 10% instead.


 49, 10.823,
248.626


 49, 10.823,
248.626


 100, 10.823,
248.626


 39, 10.823,
248.626

 69, 10.823,
248.626

 29, 10.823,
248.626

 79, 10.823,
248.626

 19, 10.823,
248.626

 89, 10.823,
248.626

 9, 10.823, 248.626

 99, 10.823,
248.626

 0, 10.823, 248.626

 49, 10.823,

 49, 10.823,

248.626

248.626

■ 46, 14.813,
250.389

■ 52, 6.678, 247.168

■ 44, 18.624,
252.528

■ 54, 2.410, 246.030

■ 57, 1.954, 64.709

■ 42, 22.235,
255.105

■ 59, 6.389, 63.965

■ 39, 25.641,
258.182

■ 62, 10.872, 63.259

■ 65, 15.385, 62.648

■ 37, 28.865,
261.802

■ 67, 19.912, 62.121

■ 35, 31.957,
265.959

■ 70, 24.441, 61.664

■ 73, 28.962, 61.264

■ 33, 35.012,
270.524

■ 32, 36.430,
272.458

Harmonies

Complementary

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



49, 10.823, 248.626



49, 12.007, 62.720

Rectangle

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



49, 10.823, 248.626



49, 10.823, 298.626



49, 10.823, 68.626



49, 10.823, 118.626

Sweetspot

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



49, 10.822, 248.621



68, 4.307, 246.289



53, 17.954, 156.573



35, 3.042, 246.435



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 10.822, 248.621



61, 16.140, 249.670



44, 18.351, 288.900



27, 2.435, 246.391



31, 35.744, 272.332



0, 0.590, 245.322

Inverse Universe

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



46, 18.137, 341.183



57, 27.348, 341.744



54, 17.541, 103.197



26, 3.946, 339.814



28, 53.031, 352.887



0, 0.937, 339.182

Previews

White Background



This preview shows how the CIELCh color 49, 10.823, 248.626 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, 10.823, 248.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

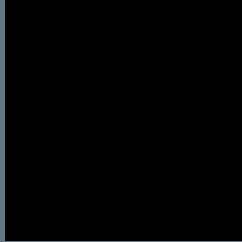
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

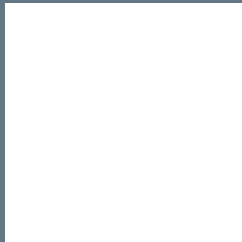
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 10.823, 248.626

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.823, 248.626.

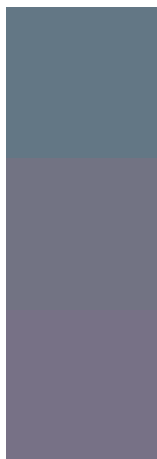


This preview shows how white text looks on a background with the CIELCh color 49, 10.823, 248.626.

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, 10.823, 248.626

Protanopia

49, 9.412, 289.097

Deuteranopia

49, 12.615, 302.219



Tritanopia
49, 9.576, 232.364

Trichromacy



Original Color
49, 10.823, 248.626

Protanomaly
49, 9.235, 272.308

Deuteranomaly
49, 11.208, 285.879

Tritanomaly
49, 10.186, 238.298

Monochromacy



Original Color
49, 10.823, 248.626

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 4.241, 243.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.823, 248.626 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(99, 119, 133)` looks like.

```
.text, #text, p{  
    color:rgb(99, 119, 133)  
}
```

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(99, 119, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 119, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.823, 248.626 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(99, 119, 133) }
```

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

```
.border{ border-color:rgb(99, 119, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 119, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 119, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 119, 133);  
box-shadow:4px 4px 4px 4px rgb(99, 119,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.823, 248.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 119, 133) }
```

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

```
.background{ background-color: rgb(99, 119,  
133) }
```

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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