

Converting Colors

CIELCh(48, 10.078, 275.159)

Have a look what the booklet for
CIELCh(48, 10.078, 275.159)
contains.

CIELCh(48, 10.298, 276.728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 10.298, 276.728)

Conversions

Conversions Part 1

Format	Color
Hex	6B7283
RGB	107, 114, 131
RGB Percent	42%, 45%, 51%
CMY	0.5804, 0.5530, 0.4863
CMYK	0.18, 0.13, 0.00, 0.49
HSL	222°, 10%, 47%
HSV	222°, 18%, 51%
XYZ	16.1730, 16.7945, 23.8566
YIQ	113.8450, -9.6290, 3.8030

Conversions

Conversions Part 2

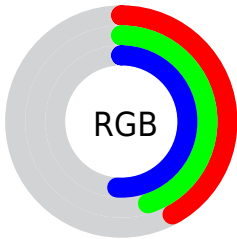
Format	Color
R_{YB}	107, 112, 131
Decimal	7041667
CIE Lab	48.00, 1.21, -10.23
CIE LCh	48, 10.298, 276.728
Yxy	16.7945, 0.2846, 0.2956
Android (android.graphics.Color)	4285231747 (0xFF6B7283)
YUV	113.8450, 8.4574, -6.0031
Hunter-Lab	40.9810, -1.2726, -5.8282

Details

The CIELCh color $48, 10.298, 276.728$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 10.250, 92.127$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 10.171, 276.933$, and $28, 10.641, 277.116$ is the 20% darker color. If you saturate the color by 10%, you get $44, 16.076, 278.332$, and if you desaturate by 10%, it is $52, 4.634, 275.353$.

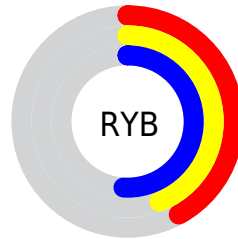
Distribution



Red (42%)

Green (45%)

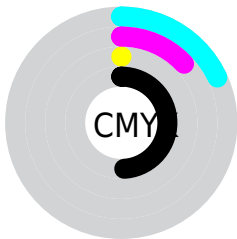
Blue (51%)



Red (42%)

Yellow (44%)

Blue (51%)

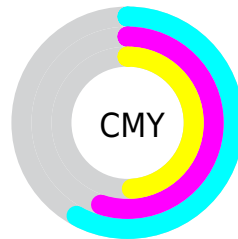


Cyan (18%)

Magenta (13%)

Yellow (0%)

Black (49%)



Cyan (58%)


Magenta (55%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 10.298, 276.728 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 48, 10.298, 276.728 by changing the saturation by 10% instead.


 48, 10.298,
276.728


 48, 10.298,
276.728


 100, 10.298,
276.728


 38, 10.298,
276.728

 68, 10.298,
276.728


 28, 10.298,
276.728

 78, 10.298,
276.728

 18, 10.298,
276.728

 88, 10.298,
276.728

 8, 10.298, 276.728

 98, 10.298,
276.728

 0, 10.298, 276.728

 48, 10.298,

 48, 10.298,

276.728

■ 44, 16.076,
278.332

■ 41, 21.982,
280.205

■ 37, 28.027,
282.377

■ 33, 34.232,
284.876

■ 30, 40.617,
287.703

■ 27, 47.186,
290.816

■ 23, 53.888,
294.108

■ 21, 60.587,
297.290

276.728

■ 52, 4.634, 275.353

■ 55, 0.917, 93.948

■ 59, 6.361, 93.050

■ 63, 11.699, 92.150

■ 66, 16.933, 91.354

■ 70, 22.064, 90.648

■ 74, 27.095, 90.019

■ 77, 32.026, 89.457

■ 81, 36.861, 88.950

■ 20, 61.701,
297.764

Harmonies

Complementary

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



48, 10.298, 276.728



52, 10.250, 92.127

Rectangle

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



48, 10.298, 276.728



48, 10.298, 326.728



48, 10.298, 96.728



48, 10.298, 146.728

Sweetspot

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



48, 10.297, 276.724



68, 3.452, 274.970



53, 10.248, 174.323



35, 2.374, 275.038



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 10.297, 276.724



60, 15.426, 277.367



46, 14.418, 299.330



26, 3.174, 275.455



20, 61.338, 297.739



0, 0.754, 274.312

Inverse Universe

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



48, 10.743, 358.285



59, 16.148, 358.767



54, 13.886, 116.792



26, 3.281, 357.304



26, 52.909, 20.006



0, 0.772, 356.532

Previews

White Background



This preview shows how the CIELCh color 48, 10.298, 276.728 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 48, 10.298, 276.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

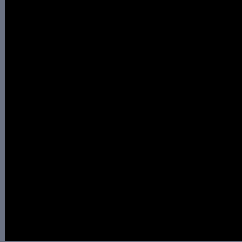
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

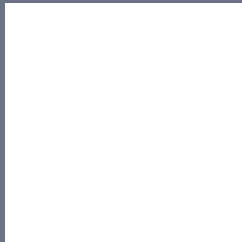
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 10.298, 276.728

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.298, 276.728.



This preview shows how white text looks on a background with the CIELCh color 48, 10.298, 276.728.

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

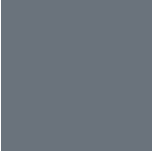
48, 10.298, 276.728

Protanopia

48, 10.044, 287.178

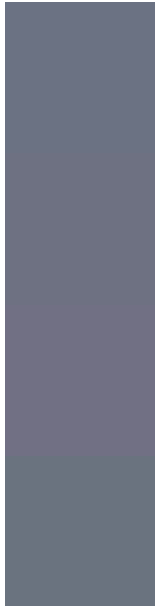
Deuteranopia

48, 12.588, 300.516



Tritanopia
48, 6.264, 257.338

Trichromacy



Original Color
48, 10.298, 276.728

Protanomaly
48, 10.072, 285.034

Deuteranomaly
48, 11.825, 293.583

Tritanomaly
48, 7.778, 265.003

Monochromacy



Original Color
48, 10.298, 276.728

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.712, 272.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.298, 276.728 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(107, 114, 131)` looks like.

```
.text, #text, p{  
    color:rgb(107, 114, 131)  
}
```

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(107, 114, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 114, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.298, 276.728 is called "border". The border property can be set on classes, ids or directly on the HTML element.

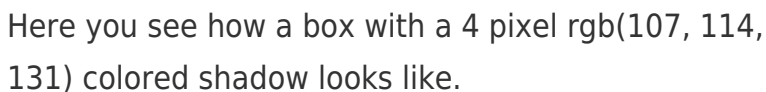
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 114, 131) }
```

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

```
.border{ border-color:rgb(107, 114, 131) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 114, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 114, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 114, 131); box-shadow:4px 4px 4px 4px rgb(107, 114, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.298, 276.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 114, 131) }
```

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

```
.background{ background-color: rgb(107,  
114, 131) }
```

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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