

Converting Colors

CIELCh(64, 12.323, 148.210)

Have a look what the booklet for
CIELCh(64, 12.323, 148.210)
contains.

CIELCh(64, 12.280, 148.075)	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(64, 12.280, 148.075)

Conversions

Conversions Part 1

Format	Color
Hex	8CA08F
RGB	140, 160, 143
RGB Percent	55%, 63%, 56%
CMY	0.4501, 0.3717, 0.4384
CMYK	0.12, 0.00, 0.11, 0.37
HSL	129°, 10%, 59%
HSV	129°, 12%, 63%
XYZ	28.4346, 32.8017, 30.9048
YIQ	152.0820, -6.4630, -9.5270

Conversions

Conversions Part 2

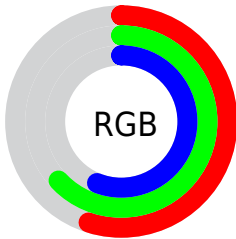
Format	Color
RYB	140, 157, 160
Decimal	9216143
CIELab	64.00, -10.42, 6.49
CIElCh	64, 12.280, 148.075
Yxy	32.8017, 0.3086, 0.3560
Android (android.graphics.Color)	4287406223 (0xFF8CA08F)
YUV	152.0820, -4.4774, -10.5959
Hunter-Lab	57.2727, -11.6062, 8.0976

Details

The CIELCh color $64, 12.280, 148.075$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $61, 12.312, 329.554$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 12.249, 148.022$, and $44, 12.457, 148.016$ is the 20% darker color. If you saturate the color by 10%, you get $63, 22.188, 147.319$, and if you desaturate by 10%, it is $66, 2.425, 148.799$.

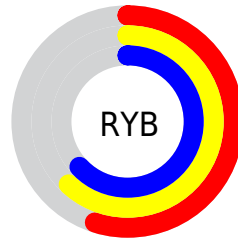
Distribution



Red (55%)

Green (63%)

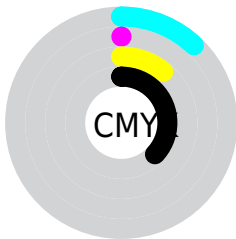
Blue (56%)



Red (55%)

Yellow (62%)

Blue (63%)

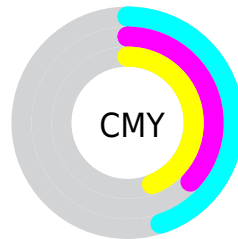


Cyan (12%)

Magenta (0%)

Yellow (11%)

Black (37%)



Cyan (45%)


Magenta (37%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.280, 148.075 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 64, 12.280, 148.075 by changing the saturation by 10% instead.


 64, 12.280,
148.075


 64, 12.280,
148.075


 100, 12.280,
148.075


 54, 12.280,
148.075


 84, 12.280,
148.075

 44, 12.280,
148.075

 94, 12.280,
148.075

 34, 12.280,
148.075

 24, 12.280,
148.075

 14, 12.280,
148.075

 4, 12.280, 148.075

 0, 12.280, 148.075

■ 64, 12.280,
148.075

■ 64, 12.280,
148.075

■ 63, 22.188,
147.319

■ 66, 2.425, 148.799

■ 61, 32.014,
146.449

■ 67, 7.285, 329.215

■ 60, 41.595,
145.444

■ 69, 16.780,
329.713

■ 59, 50.733,
144.295

■ 71, 26.016,
330.135

■ 59, 59.202,
143.003

■ 73, 34.968,
330.501

■ 58, 66.763,
141.593

■ 75, 43.624,
330.822


■ 58, 73.175,
140.120


■ 77, 51.984,
331.105

■ 57, 78.215,

■ 78, 57.843,
327.302

138.676

 78, 59.005,
326.452

 57, 81.100,
137.775

Harmonies

Complementary

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



64, 12.280, 148.075



61, 12.312, 329.554

Rectangle

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



64, 12.280, 148.075



64, 12.280, 198.075



64, 12.280, 328.075



64, 12.280, 18.075

Sweetspot

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



64, 12.282, 148.075



83, 4.855, 148.663



65, 11.103, 114.475



44, 3.446, 148.610



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 12.282, 148.075



81, 18.348, 147.873



64, 8.638, 170.431



33, 5.490, 148.301



51, 74.286, 137.920



3, 7.197, 148.594

Inverse Universe

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



61, 12.312, 329.554



76, 18.394, 329.726



60, 8.878, 352.621



31, 5.504, 329.354



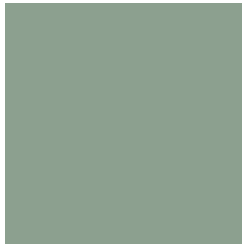
32, 66.900, 335.095



1, 7.019, 329.756

Previews

White Background



This preview shows how the CIELCh color 64, 12.280, 148.075 looks on a white background.

Color Contrast Check

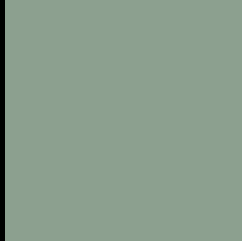
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 12.280, 148.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

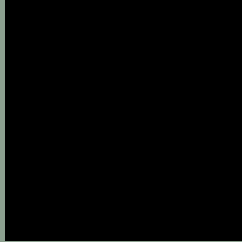
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

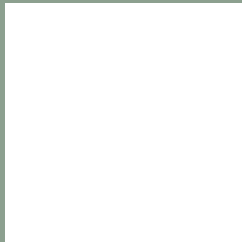
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.280, 148.075

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.280, 148.075.



This preview shows how white text looks on a background with the CIELCh color 64, 12.280, 148.075.

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](#).

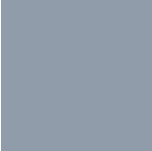
Dichromacy



Original Color
64, 12.280, 148.075

Protanopia
64, 8.256, 89.506

Deuteranopia
64, 9.861, 33.208



Tritanopia
64, 8.365, 259.594

Trichromacy



Original Color
64, 12.280, 148.075

Protanomaly
64, 8.420, 117.360

Deuteranomaly
64, 5.911, 77.199

Tritanomaly
64, 5.657, 210.396

Monochromacy



Original Color
64, 12.280, 148.075

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.319, 148.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.280, 148.075 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(140, 160, 143)` looks like.

```
.text, #text, p{  
    color:rgb(140, 160, 143)  
}
```

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(140, 160, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 160, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.280, 148.075 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(140, 160, 143) }
```

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

```
.border{ border-color:rgb(140, 160, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 160, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 160, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 160, 143);  
box-shadow:4px 4px 4px 4px rgb(140, 160,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.280, 148.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 160, 143) }
```

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

```
.background{ background-color: rgb(140,  
160, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor