

Converting Colors

CIELCh(64, 12.532, 242.295)

Have a look what the booklet for
CIELCh(64, 12.532, 242.295)
contains.

CIELCh(64, 12.408, 241.412)	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, 12.408, 241.412)

Conversions

Conversions Part 1

Format	Color
Hex	849FAE
RGB	132, 159, 174
RGB Percent	52%, 62%, 68%
CMY	0.4820, 0.3761, 0.3173
CMYK	0.24, 0.09, 0.00, 0.32
HSL	201°, 21%, 60%
HSV	201°, 24%, 68%
XYZ	29.5941, 32.8017, 44.8651
YIQ	152.6370, -20.9070, -1.0590

Conversions

Conversions Part 2

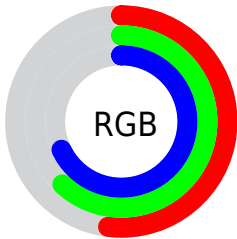
Format	Color
RYB	132, 148, 174
Decimal	8691630
CIELab	64.00, -5.94, -10.90
CIElCh	64, 12.408, 241.412
Yxy	32.8017, 0.2759, 0.3058
Android (android.graphics.Color)	4286881710 (0xFF849FAE)
YUV	152.6370, 10.5320, -18.0986
Hunter-Lab	57.2727, -7.9923, -6.3545

Details

The CIELCh color **64, 12.408, 241.412** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 14.002, 56.583**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 12.162, 239.649**, and **44, 12.598, 240.589** is the 20% darker color. If you saturate the color by 10%, you get **61, 17.153, 242.999**, and if you desaturate by 10%, it is **67, 7.407, 240.131**.

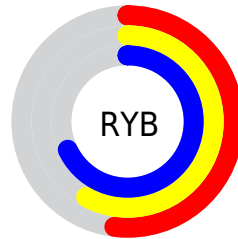
Distribution



Red (52%)

Green (62%)

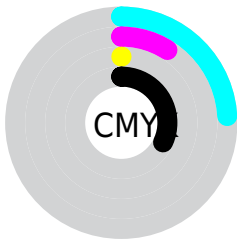
Blue (68%)



Red (52%)

Yellow (58%)

Blue (68%)

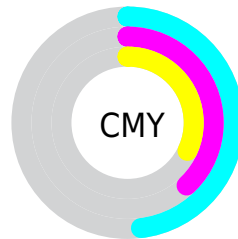


Cyan (24%)

Magenta (9%)

Yellow (0%)

Black (32%)



Cyan (48%)


Magenta (38%)

Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.408, 241.412 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, 12.408, 241.412 by changing the saturation by 10% instead.

 64, 12.408,
241.412


 64, 12.408,
241.412


 100, 12.408,
241.412


 54, 12.408,
241.412


 84, 12.408,
241.412

 44, 12.408,
241.412

 94, 12.408,
241.412

 34, 12.408,
241.412

 24, 12.408,
241.412

 14, 12.408,
241.412

 4, 12.408, 241.412

 0, 12.408, 241.412

64, 12.408,
241.412

64, 12.408,
241.412

61, 17.153,
242.999

67, 7.407, 240.131

58, 21.595,
244.971

70, 2.201, 239.211

73, 3.165, 58.022

56, 25.693,
247.399

76, 8.652, 57.402

53, 29.427,
250.364

79, 14.224, 56.839

82, 19.855, 56.364

51, 32.810,
253.931

85, 25.520, 55.965

48, 35.902,
258.127

87, 26.004, 63.903

88, 26.711, 72.075

46, 38.815,
262.897

45, 40.554,

265.741

Harmonies

Complementary

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



64, 12.408, 241.412



63, 14.002, 56.583

Rectangle

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



64, 12.408, 241.412



64, 12.408, 291.412



64, 12.408, 61.412



64, 12.408, 111.412

Sweetspot

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



64, 12.408, 241.406



88, 4.609, 239.425



68, 21.946, 154.475



47, 3.016, 239.475



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 12.408, 241.406



80, 18.284, 242.221



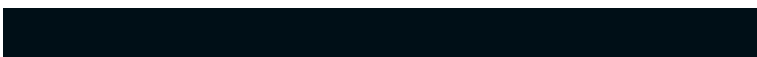
58, 20.353, 286.331



35, 2.984, 239.623



39, 36.139, 265.080



4, 6.633, 250.051

Inverse Universe

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



60, 22.124, 338.490



74, 33.016, 338.946



68, 19.640, 100.610



34, 5.128, 337.315



33, 60.395, 348.852



2, 10.042, 341.147

Previews

White Background



This preview shows how the CIE LCh color 64, 12.408, 241.412 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 CIE LCh color 64, 12.408, 241.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

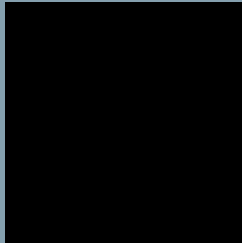
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

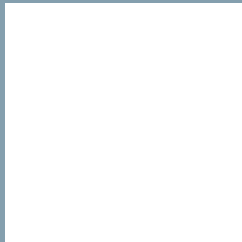
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.408, 241.412

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.408, 241.412.



This preview shows how white text looks on a background with the CIELCh color 64, 12.408, 241.412.

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, 12.408, 241.412

Protanopia
64, 9.487, 288.987

Deuteranopia
64, 14.401, 304.807



Tritanopia
64, 11.765, 237.004

Trichromacy



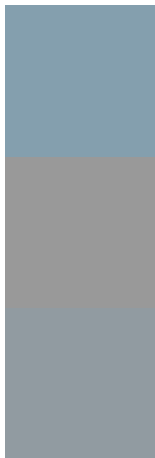
Original Color
64, 12.408, 241.412

Protanomaly
64, 9.671, 266.935

Deuteranomaly
64, 11.778, 284.409

Tritanomaly
64, 12.078, 239.265

Monochromacy



Original Color
64, 12.408, 241.412

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.950, 241.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.408, 241.412 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(132, 159, 174)` looks like.

```
.text, #text, p{  
    color:rgb(132, 159, 174)  
}
```

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(132, 159, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 159, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.408, 241.412 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(132, 159, 174) }
```

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

```
.border{ border-color:rgb(132, 159, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 159, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 159, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 159, 174);  
box-shadow:4px 4px 4px 4px rgb(132, 159,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.408, 241.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 159, 174) }
```

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

```
.background{ background-color: rgb(132,  
159, 174) }
```

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