

Converting Colors

CIELCh(64, 12.403, 238.668)

Have a look what the booklet for
CIELCh(64, 12.403, 238.668)
contains.

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Color

CIELCh(64, 12.652, 240.390)

Conversions

Conversions Part 1

Format	Color
Hex	839FAE
RGB	131, 159, 174
RGB Percent	51%, 62%, 68%
CMY	0.4852, 0.3754, 0.3166
CMYK	0.25, 0.09, 0.00, 0.32
HSL	201°, 21%, 60%
HSV	201°, 25%, 68%
XYZ	29.5120, 32.8017, 44.9597
YIQ	152.3380, -21.5030, -1.2710

Conversions

Conversions Part 2

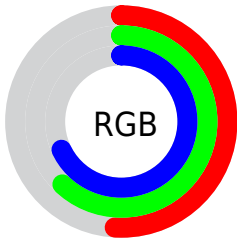
Format	Color
RYB	131, 148, 174
Decimal	8626094
CIELab	64.00, -6.25, -11.00
CIELCh	64, 12.652, 240.390
Yxy	32.8017, 0.2751, 0.3058
Android (android.graphics.Color)	4286816174 (0xFF839FAE)
YUV	152.3380, 10.6794, -18.7134
Hunter-Lab	57.2727, -8.2484, -6.4524

Details

The CIELCh color `64, 12.652, 240.390` is a light color, and the websafe version is hex `999999`. A complement of this color would be `63, 14.365, 55.594`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 12.409, 238.662`, and `44, 12.842, 239.597` is the 20% darker color. If you saturate the color by 10%, you get `61, 17.356, 241.961`, and if you desaturate by 10%, it is `67, 7.680, 239.125`.

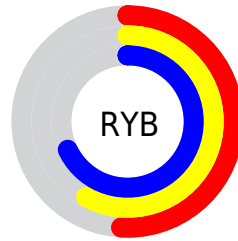
Distribution



Red (51%)

Green (62%)

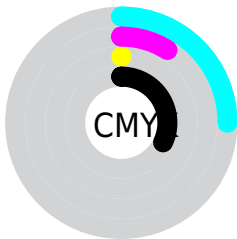
Blue (68%)



Red (51%)

Yellow (58%)

Blue (68%)

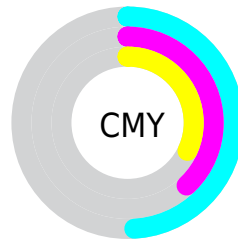


Cyan (25%)

Magenta (9%)

Yellow (0%)

Black (32%)



Cyan (49%)

Magenta (38%)

Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.652, 240.390 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, 12.652, 240.390 by changing the saturation by 10% instead.

 64, 12.652,
240.390

 64, 12.652,
240.390


 100, 12.652,
240.390


 54, 12.652,
240.390


 84, 12.652,
240.390

 44, 12.652,
240.390

 94, 12.652,
240.390

 34, 12.652,
240.390

 24, 12.652,
240.390

 14, 12.652,
240.390

 4, 12.652, 240.390

 0, 12.652, 240.390

64, 12.652,
240.390

64, 12.652,
240.390

61, 17.356,
241.961

67, 7.680, 239.125

70, 2.492, 238.205

58, 21.743,
243.918

73, 2.865, 57.039

56, 25.771,
246.334

76, 8.349, 56.451

53, 29.419,
249.291

79, 13.926, 55.908

82, 19.565, 55.451

51, 32.699,
252.858

85, 25.242, 55.068

49, 35.671,
257.060

87, 25.879, 62.513

88, 26.476, 70.599

47, 38.454,
261.844

46, 39.962,

264.413

Harmonies

Complementary

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



64, 12.652, 240.390



63, 14.365, 55.594

Rectangle

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



64, 12.652, 240.390



64, 12.652, 290.390



64, 12.652, 60.390



64, 12.652, 110.390

Sweetspot

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



64, 12.652, 240.384



88, 4.602, 238.380



67, 22.754, 153.732



47, 3.011, 238.429



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, 12.652, 240.384



79, 18.807, 241.264



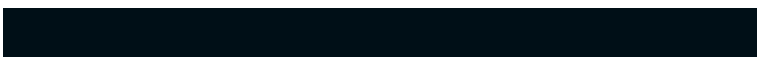
58, 20.456, 285.541



35, 2.979, 238.572



39, 35.594, 263.747



4, 6.602, 249.041

Inverse Universe

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



60, 22.781, 338.156



73, 34.342, 338.648



68, 19.779, 99.592



34, 5.158, 336.949



33, 60.670, 348.201



2, 10.105, 340.711

Previews

White Background



This preview shows how the CIELCh color 64, 12.652, 240.390 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, 12.652, 240.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

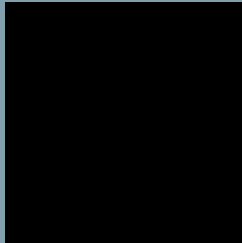
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

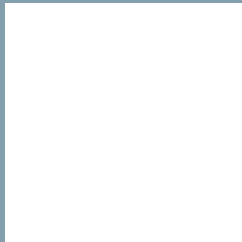
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.652, 240.390

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.652, 240.390.



This preview shows how white text looks on a background with the CIELCh color 64, 12.652, 240.390.

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, 12.652, 240.390

Protanopia

64, 9.487, 288.987

Deuteranopia

64, 14.401, 304.807



Tritanopia
64, 12.004, 232.725

Trichromacy



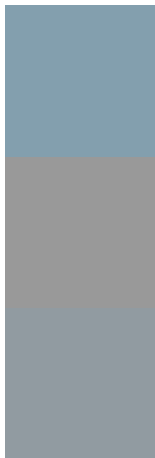
Original Color
64, 12.652, 240.390

Protanomaly
64, 9.671, 266.935

Deuteranomaly
64, 11.778, 284.409

Tritanomaly
64, 12.281, 235.050

Monochromacy



Original Color
64, 12.652, 240.390

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, 12.652, 240.390 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(131, 159, 174)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 159, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 159, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.652, 240.390 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(131, 159, 174) }
```

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

```
.border{ border-color:rgb(131, 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(131, 159, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 159, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 159, 174);  
box-shadow:4px 4px 4px 4px rgb(131, 159,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.652, 240.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 159, 174) }
```

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

```
.background{ background-color: rgb(131,  
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](#).

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