

Converting Colors

CIELCh(38, 21.240, 239.734)

Have a look what the booklet for
CIELCh(38, 21.240, 239.734)
contains.

CIELCh(38, 21.255, 240.030)	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(38, 21.255, 240.030)

Conversions

Conversions Part 1

Format	Color
Hex	286077
RGB	40, 96, 119
RGB Percent	16%, 38%, 47%
CMY	0.8444, 0.6246, 0.5344
CMYK	0.67, 0.19, 0.00, 0.53
HSL	197°, 50%, 31%
HSV	197°, 67%, 47%
XYZ	8.3351, 10.0881, 18.8750
YIQ	81.8780, -40.7590, -4.7190

Conversions

Conversions Part 2

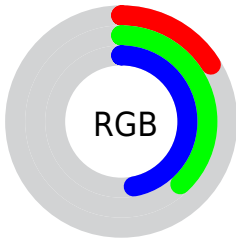
Format	Color
RYB	40, 73, 119
Decimal	2646135
CIELab	38.00, -10.62, -18.41
CIElCh	38, 21.255, 240.030
Yxy	10.0881, 0.2235, 0.2705
Android (android.graphics.Color)	4280836215 (0xFF286077)
YUV	81.8780, 18.3011, -36.7270
Hunter-Lab	31.7617, -8.7396, -13.0010




Details

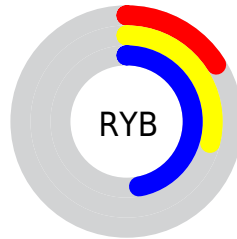
The CIELCh color **38, 21.255, 240.030** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 33.186, 48.059**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 21.199, 238.605**, and **19, 18.551, 249.460** is the 20% darker color. If you saturate the color by 10%, you get **37, 23.275, 243.074**, and if you desaturate by 10%, it is **40, 18.885, 237.546**.

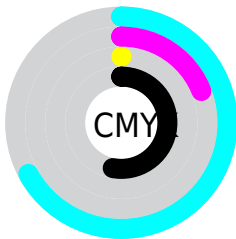
Distribution







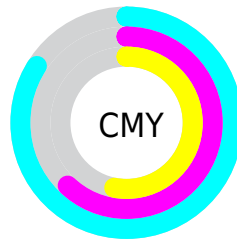
-  Red (16%)
-  Green (38%)
-  Blue (47%)






-  Red (16%)
-  Yellow (29%)
-  Blue (47%)



-  Cyan (67%)
-  Magenta (19%)
-  Yellow (0%)
-  Black (53%)





-  Cyan (84%)
-  Magenta (62%)
-  Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 21.255, 240.030 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 38, 21.255, 240.030 by changing the saturation by 10% instead.


 38, 21.255,
240.030


 38, 21.255,
240.030

 100, 21.255,
240.030


 28, 21.255,
240.030

 58, 21.255,
240.030


 18, 21.255,
240.030


 68, 21.255,
240.030

 8, 21.255, 240.030

 78, 21.255,
240.030

 0, 21.255, 240.030

 88, 21.255,
240.030

 98, 21.255,
240.030

■ 38, 21.255,
240.030

■ 38, 21.255,
240.030

■ 37, 23.275,
243.074

■ 40, 18.885,
237.546

■ 35, 24.976,
246.737

■ 41, 16.173,
235.547

■ 34, 26.470,
250.897

■ 43, 13.142,
233.951

■ 33, 27.003,
252.267

■ 45, 9.832, 232.689

■ 47, 6.286, 231.701

■ 49, 2.547, 230.987

■ 51, 1.346, 49.964

■ 53, 5.358, 49.664

■ 55, 9.459, 49.304

Harmonies

Complementary

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



38, 21.255, 240.030



33, 33.186, 48.059

Rectangle

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



38, 21.255, 240.030



38, 21.255, 290.030



38, 21.255, 60.030



38, 21.255, 110.030

Sweetspot

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



38, 21.254, 240.030



59, 9.376, 232.060



44, 44.502, 147.005



30, 6.410, 232.285



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 21.254, 240.030



47, 29.488, 245.002



26, 40.435, 291.395



24, 2.148, 231.128



34, 27.634, 252.441



68, 47.945, 255.422

Inverse Universe

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



30, 43.865, 339.101



37, 60.694, 340.862



43, 36.552, 91.579



23, 3.880, 334.463



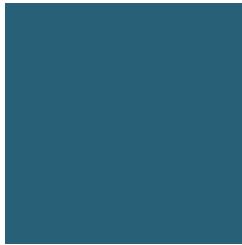
26, 54.295, 343.489



56, 91.122, 344.612

Previews

White Background



This preview shows how the CIELCh color 38, 21.255, 240.030 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 38, 21.255, 240.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

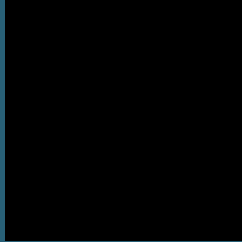
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

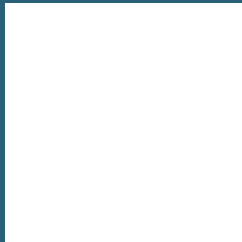
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 21.255, 240.030

Background



This preview shows how black text looks on a background with the CIELCh color 38, 21.255, 240.030.

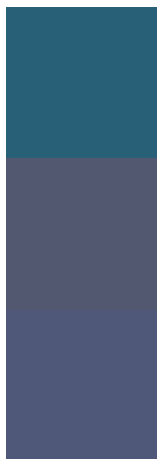


This preview shows how white text looks on a background with the CIELCh color 38, 21.255, 240.030.

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


38, 21.255, 240.030

Protanopia

38, 15.459, 285.673

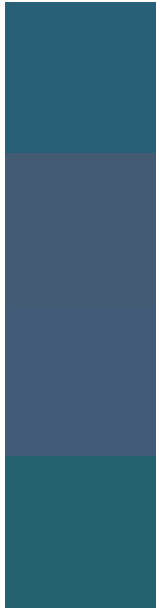
Deuteranopia

38, 20.412, 285.348



Tritanopia
38, 20.596, 211.053

Trichromacy



Original Color
38, 21.255, 240.030

Protanomaly
38, 16.641, 262.237

Deuteranomaly
38, 19.484, 266.199

Tritanomaly
38, 20.271, 222.794

Monochromacy



Original Color
38, 21.255, 240.030

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 9.022, 232.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 21.255, 240.030 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(40, 96, 119)` looks like.

```
.text, #text, p{  
    color:rgb(40, 96, 119)  
}
```

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(40, 96, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 96, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 21.255, 240.030 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(40, 96, 119) }
```

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

```
.border{ border-color:rgb(40, 96, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 96, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 96, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 96, 119);  
box-shadow:4px 4px 4px 4px rgb(40, 96,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 21.255, 240.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 96, 119) }
```

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

```
.background{ background-color: rgb(40, 96,  
119) }
```

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