

Converting Colors

CIELCh(38, 19.412, 224.014)

Have a look what the booklet for
CIELCh(38, 19.412, 224.014)
contains.

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Color

CIELCh(38, 19.395, 224.117)

Conversions

Conversions Part 1

Format	Color
Hex	28616F
RGB	40, 97, 111
RGB Percent	16%, 38%, 44%
CMY	0.8443, 0.6206, 0.5657
CMYK	0.64, 0.13, 0.00, 0.57
HSL	192°, 47%, 29%
HSV	192°, 64%, 43%
XYZ	7.9685, 10.0881, 16.4892
YIQ	81.5530, -38.4660, -7.7300

Conversions

Conversions Part 2

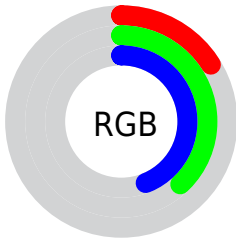
Format	Color
R_{YB}	40, 72, 111
Decimal	2646383
CIE _{Lab}	38.00, -13.92, -13.50
CIE _{LCh}	38, 19.395, 224.117
Yxy	10.0881, 0.2307, 0.2920
Android (android.graphics.Color)	4280836463 (0xFF28616F)
YUV	81.5530, 14.5174, -36.4420
Hunter-Lab	31.7617, -10.8002, -8.5475




Details

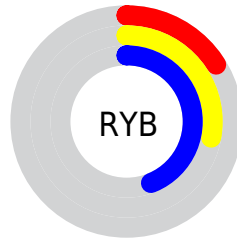
The CIELCh color **38, 19.395, 224.117** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 31.353, 40.328**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 19.572, 223.996**, and **19, 16.045, 231.541** is the 20% darker color. If you saturate the color by 10%, you get **37, 21.069, 226.011**, and if you desaturate by 10%, it is **39, 17.286, 222.635**.

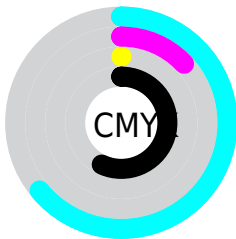
Distribution







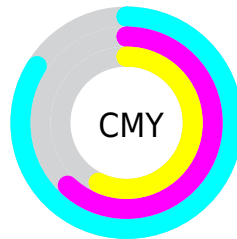
-  Red (16%)
-  Green (38%)
-  Blue (44%)






-  Red (16%)
-  Yellow (28%)
-  Blue (44%)



-  Cyan (64%)
-  Magenta (13%)
-  Yellow (0%)
-  Black (57%)





-  Cyan (84%)
-  Magenta (62%)
-  Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.395, 224.117 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, 19.395, 224.117 by changing the saturation by 10% instead.


 38, 19.395,
224.117


 38, 19.395,
224.117

 100, 19.395,
224.117


 28, 19.395,
224.117

 58, 19.395,
224.117


 18, 19.395,
224.117

 68, 19.395,
224.117

 8, 19.395, 224.117

 78, 19.395,
224.117

 0, 19.395, 224.117

 88, 19.395,
224.117

 98, 19.395,
224.117

■ 38, 19.395,
224.117

■ 38, 19.395,
224.117

■ 37, 21.069,
226.011

■ 39, 17.286,
222.635

■ 36, 22.308,
228.390

■ 40, 14.770,
221.498

■ 35, 23.165,
231.275

■ 42, 11.890,
220.644

■ 35, 23.644,
232.973

■ 43, 8.697, 220.022

■ 45, 5.241, 219.596

■ 46, 1.574, 219.445

■ 48, 2.261, 38.869

■ 49, 6.225, 38.862

■ 51, 10.284, 38.847

Harmonies

Complementary

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



38, 19.395, 224.117



30, 31.353, 40.328

Rectangle

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



38, 19.395, 224.117



38, 19.395, 274.117



38, 19.395, 44.117



38, 19.395, 94.117

Sweetspot

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



38, 19.395, 224.116



56, 8.547, 219.800



41, 43.922, 144.087



28, 5.805, 219.898



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 19.395, 224.116



47, 26.085, 227.099



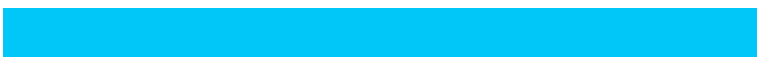
27, 31.836, 284.492



23, 2.133, 219.459



37, 25.030, 233.328



74, 42.946, 235.694

Inverse Universe

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



29, 42.900, 334.534



35, 59.247, 335.648



39, 31.224, 84.312



22, 3.997, 330.920



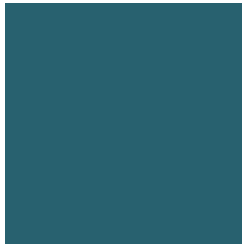
26, 57.057, 337.539



56, 96.662, 338.192

Previews

White Background



This preview shows how the CIE LCh color 38, 19.395, 224.117 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 CIELCh color 38, 19.395, 224.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

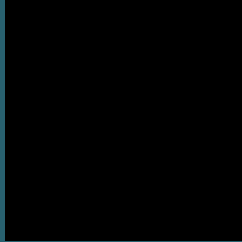
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 19.395, 224.117

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.395, 224.117.

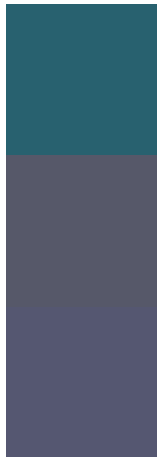


This preview shows how white text looks on a background with the CIELCh color 38, 19.395, 224.117.

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, 19.395, 224.117

Protanopia

38, 10.489, 287.566

Deuteranopia

38, 16.032, 290.015



Tritanopia
38, 19.689, 211.808

Trichromacy



Original Color
38, 19.395, 224.117

Protanomaly
37, 12.475, 251.418

Deuteranomaly
38, 14.834, 260.170

Tritanomaly
38, 19.575, 215.770

Monochromacy



Original Color
38, 19.395, 224.117

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 8.659, 219.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 19.395, 224.117 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, 97, 111)` looks like.

```
.text, #text, p{  
    color:rgb(40, 97, 111)  
}
```

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, 97, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 97, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.395, 224.117 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, 97, 111) }
```

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

```
.border{ border-color:rgb(40, 97, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 97, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 97, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 97, 111);  
box-shadow:4px 4px 4px 4px rgb(40, 97,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.395, 224.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 97, 111) }
```

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

```
.background{ background-color: rgb(40, 97,  
111) }
```

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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