

Converting Colors

CIELCh(38, 27.612, 248.564)

Have a look what the booklet for
CIELCh(38, 27.612, 248.564)
contains.

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Color

CIELCh(38, 27.824, 249.258)

Conversions

Conversions Part 1

Format	Color
Hex	0A6083
RGB	10, 96, 131
RGB Percent	4%, 38%, 51%
CMY	0.9597, 0.6232, 0.4859
CMYK	0.92, 0.27, 0.00, 0.49
HSL	197°, 85%, 28%
HSV	197°, 92%, 51%
XYZ	8.4214, 10.0881, 23.0074
YIQ	74.2760, -62.4910, -7.3470

Conversions

Conversions Part 2

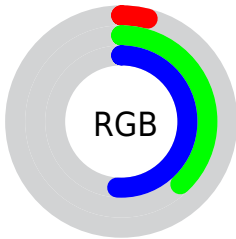
Format	Color
R_{YB}	10, 60, 131
Decimal	680067
CIE _{Lab}	38.00, -9.85, -26.02
CIE _{LCh}	38, 27.824, 249.258
Yxy	10.0881, 0.2028, 0.2430
Android (android.graphics.Color)	4278870147 (0xFF0A6083)
YUV	74.2760, 27.9649, -56.3701
Hunter-Lab	31.7617, -8.2548, -20.7151

Details

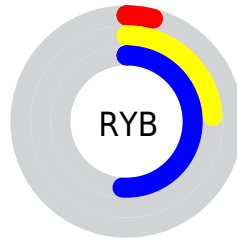
The CIELCh color **38, 27.824, 249.258** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **31, 52.552, 47.680**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 27.880, 249.689**, and **20, 23.281, 265.005** is the 20% darker color. If you saturate the color by 10%, you get **37, 29.067, 252.602**, and if you desaturate by 10%, it is **39, 26.176, 245.155**.

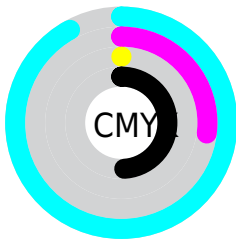
Distribution



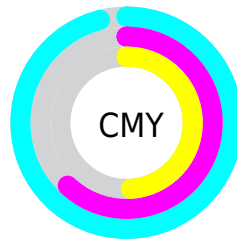
- Red (4%)
- Green (38%)
- Blue (51%)



- Red (4%)
- Yellow (24%)
- Blue (51%)



- Cyan (92%)
- Magenta (27%)
- Yellow (0%)
- Black (49%)




- Cyan (96%)
- Magenta (62%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 27.824, 249.258 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, 27.824, 249.258 by changing the saturation by 10% instead.


 38, 27.824,
249.258


 38, 27.824,
249.258

 100, 27.824,
249.258


 28, 27.824,
249.258

 58, 27.824,
249.258


 18, 27.824,
249.258


 68, 27.824,
249.258

 8, 27.824, 249.258

 78, 27.824,
249.258

 0, 27.824, 249.258

 88, 27.824,
249.258

 98, 27.824,
249.258

■ 38, 27.824,
249.258

■ 38, 27.824,
249.258

■ 37, 29.067,
252.602

■ 39, 26.176,
245.155

■ 41, 24.220,
241.695

■ 43, 21.896,
238.849

■ 44, 19.186,
236.546

■ 46, 16.107,
234.704

■ 48, 12.695,
233.242

■ 50, 8.994, 232.093

■ 52, 5.054, 231.210

Harmonies

Complementary

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



38, 27.824, 249.258



31, 52.552, 47.680

Rectangle

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



38, 27.824, 249.258



38, 27.824, 299.258



38, 27.824, 69.258



38, 27.824, 119.258

Sweetspot

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



38, 27.823, 249.259



63, 13.862, 232.805



48, 61.426, 142.559



32, 9.539, 233.272



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



38, 27.823, 249.259



48, 35.615, 253.856



20, 62.824, 299.030



27, 2.379, 230.997



37, 28.892, 252.559



0, 0.581, 230.298

Inverse Universe

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



29, 55.992, 342.341



38, 68.906, 344.013



46, 49.954, 88.064



26, 4.304, 334.432



28, 56.694, 343.533



0, 1.023, 333.871

Previews

White Background



This preview shows how the CIE LCh color 38, 27.824, 249.258 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, 27.824, 249.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

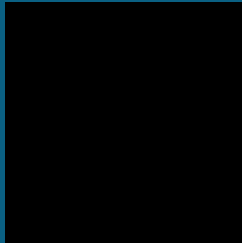
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 27.824, 249.258

Background



This preview shows how black text looks on a background with the CIELCh color 38, 27.824, 249.258.

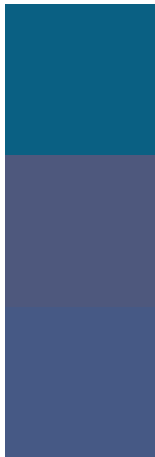


This preview shows how white text looks on a background with the CIELCh color 38, 27.824, 249.258.

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, 27.824, 249.258

Protanopia
38, 22.897, 285.039

Deuteranopia
38, 27.429, 281.493



Tritanopia
38, 24.175, 208.561

Trichromacy



Original Color
38, 27.824, 249.258

Protanomaly
37, 24.411, 265.152

Deuteranomaly
38, 26.969, 265.709

Tritanomaly
38, 24.119, 224.764

Monochromacy



Original Color
38, 27.824, 249.258

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 13.469, 235.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 27.824, 249.258 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(10, 96, 131)` looks like.

```
.text, #text, p{  
    color:rgb(10, 96, 131)  
}
```

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(10, 96, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 96, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 27.824, 249.258 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(10, 96, 131) }
```

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

```
.border{ border-color:rgb(10, 96, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 96, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 96, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 96, 131);  
box-shadow:4px 4px 4px 4px rgb(10, 96,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 27.824, 249.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 96, 131) }
```

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

```
.background{ background-color: rgb(10, 96,  
131) }
```

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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