

Converting Colors

CIELCh(38, 23.325, 215.591)

Have a look what the booklet for
CIELCh(38, 23.325, 215.591)
contains.

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Color

CIELCh(38, 23.364, 215.534)

Conversions

Conversions Part 1

Format	Color
Hex	0A636F
RGB	10, 99, 111
RGB Percent	4%, 39%, 44%
CMY	0.9592, 0.6127, 0.5656
CMYK	0.91, 0.11, 0.00, 0.57
HSL	187°, 83%, 24%
HSV	187°, 91%, 43%
XYZ	7.4254, 10.0881, 16.5252
YIQ	73.7570, -56.8960, -15.1360

Conversions

Conversions Part 2

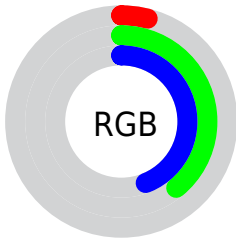
Format	Color
R_{YB}	10, 57, 111
Decimal	680815
CIE Lab	38.00, -19.01, -13.58
CIE LCh	38, 23.364, 215.534
Yxy	10.0881, 0.2181, 0.2964
Android (android.graphics.Color)	4278870895 (0xFF0A636F)
YUV	73.7570, 18.3608, -55.9149
Hunter-Lab	31.7617, -13.8523, -8.6147

Details

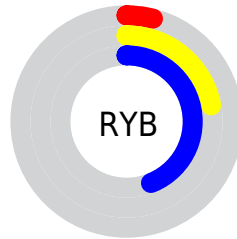
The CIELCh color **38, 23.364, 215.534** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 48.554, 39.078**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 23.530, 216.001**, and **19, 16.018, 225.450** is the 20% darker color. If you saturate the color by 10%, you get **37, 23.909, 217.078**, and if you desaturate by 10%, it is **39, 22.552, 214.039**.

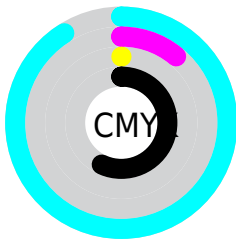
Distribution



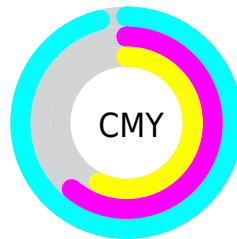
- Red (4%)
- Green (39%)
- Blue (44%)



- Red (4%)
- Yellow (22%)
- Blue (44%)



- Cyan (91%)
- Magenta (11%)
- Yellow (0%)
- Black (57%)





- Cyan (96%)
- Magenta (61%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 23.364, 215.534 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, 23.364, 215.534 by changing the saturation by 10% instead.


 38, 23.364,
215.534


 38, 23.364,
215.534

 100, 23.364,
215.534


 28, 23.364,
215.534

 58, 23.364,
215.534


 18, 23.364,
215.534


 68, 23.364,
215.534

 8, 23.364, 215.534

 78, 23.364,
215.534

 0, 23.364, 215.534

 88, 23.364,
215.534

 98, 23.364,
215.534

■ 38, 23.364,
215.534

■ 38, 23.364,
215.534

■ 37, 23.909,
217.078

■ 39, 22.552,
214.039

■ 39, 21.250,
212.874

■ 40, 19.448,
211.997

■ 41, 17.165,
211.365

■ 42, 14.442,
210.939

■ 43, 11.330,
210.685

■ 44, 7.888, 210.576

■ 45, 4.174, 210.606

Harmonies

Complementary

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



38, 23.364, 215.534



24, 48.554, 39.078

Rectangle

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



38, 23.364, 215.534



38, 23.364, 265.534



38, 23.364, 35.534



38, 23.364, 85.534

Sweetspot

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



38, 23.363, 215.533



55, 12.441, 210.640



40, 59.119, 138.649



28, 8.253, 210.677



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, 23.363, 215.533



48, 28.656, 217.689



22, 41.593, 288.427



23, 2.247, 210.627



41, 25.278, 217.281



80, 43.013, 218.646

Inverse Universe

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



25, 55.288, 332.880



33, 68.464, 333.521



34, 41.267, 74.204



22, 4.221, 328.342



27, 60.417, 333.420



57, 102.656, 333.757

Previews

White Background



This preview shows how the CIELCh color 38, 23.364, 215.534 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, 23.364, 215.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

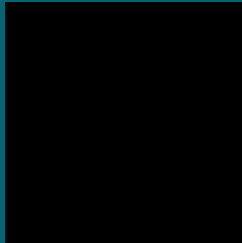
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 23.364, 215.534

Background



This preview shows how black text looks on a background with the CIELCh color 38, 23.364, 215.534.

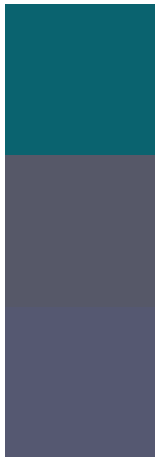


This preview shows how white text looks on a background with the CIELCh color 38, 23.364, 215.534.

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, 23.433, 215.469

Protanopia

38, 9.876, 287.184

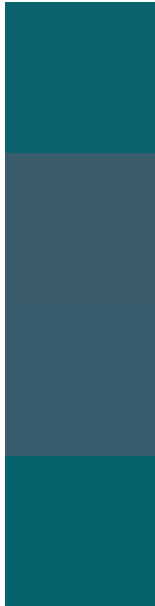
Deuteranopia

38, 15.405, 288.397



Tritanopia
38, 24.175, 208.561

Trichromacy



Original Color
38, 23.433, 215.469

Protanomaly
37, 14.188, 236.088

Deuteranomaly
37, 16.487, 247.327

Tritanomaly
38, 23.848, 210.325

Monochromacy



Original Color
38, 23.433, 215.469

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 12.163, 209.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 23.364, 215.534 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, 99, 111)` looks like.

```
.text, #text, p{  
    color:rgb(10, 99, 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(10, 99, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 99, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 23.364, 215.534 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, 99, 111) }
```

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

```
.border{ border-color:rgb(10, 99, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 99, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 99, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 99, 111);  
box-shadow:4px 4px 4px 4px rgb(10, 99,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 23.364, 215.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 99, 111) }
```

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

```
.background{ background-color: rgb(10, 99,  
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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