

Converting Colors

CIELCh(38, 24.789, 190.376)

Have a look what the booklet for
CIELCh(38, 24.789, 190.376)
contains.

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Color

CIELCh(38, 24.738, 190.628)

Conversions

Conversions Part 1

Format	Color
Hex	0F6460
RGB	15, 100, 96
RGB Percent	6%, 39%, 38%
CMY	0.9402, 0.6074, 0.6231
CMYK	0.85, 0.00, 0.04, 0.61
HSL	177°, 74%, 23%
HSV	177°, 85%, 39%
XYZ	6.8866, 10.0881, 12.6794
YIQ	74.1290, -49.3760, -19.2640

Conversions

Conversions Part 2

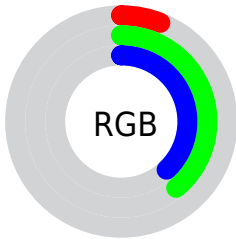
Format	Color
R_{YB}	15, 59, 100
Decimal	1008736
CIE _{Lab}	38.00, -24.31, -4.56
CIE _{LCh}	38, 24.738, 190.628
Yxy	10.0881, 0.2322, 0.3402
Android (android.graphics.Color)	4279198816 (0xFF0F6460)
YUV	74.1290, 10.7824, -51.8561
Hunter-Lab	31.7617, -16.8806, -1.4357

Details

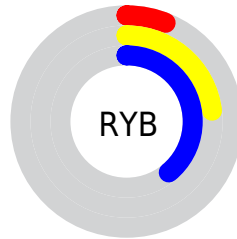
The CIELCh color **38, 24.738, 190.628** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 42.894, 30.791**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.697, 190.473**, and **19, 17.158, 189.267** is the 20% darker color. If you saturate the color by 10%, you get **38, 25.702, 190.068**, and if you desaturate by 10%, it is **38, 23.362, 191.177**.

Distribution



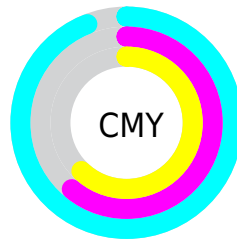
- Red (6%)
- Green (39%)
- Blue (38%)



- Red (6%)
- Yellow (23%)
- Blue (39%)



- Cyan (85%)
- Magenta (0%)
- Yellow (4%)
- Black (61%)



- Cyan (94%)
- Magenta (61%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 24.738, 190.628 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, 24.738, 190.628 by changing the saturation by 10% instead.

 38, 24.738,
190.628

 38, 24.738,
190.628

 100, 24.738,
190.628

 28, 24.738,
190.628

 58, 24.738,
190.628

 18, 24.738,
190.628

 68, 24.738,
190.628

 8, 24.738, 190.628

 78, 24.738,
190.628

 0, 24.738, 190.628

 88, 24.738,
190.628

 98, 24.738,
190.628

■ 38, 24.738,
190.628

■ 38, 24.738,
190.628

■ 38, 25.702,
190.068

■ 38, 23.362,
191.177

■ 38, 26.180,
189.786

■ 38, 21.505,
191.722

■ 39, 19.176,
192.272

■ 39, 16.407,
192.833

■ 40, 13.244,
193.410

■ 40, 9.743, 194.005

■ 41, 5.965, 194.628

■ 42, 1.969, 195.355

Harmonies

Complementary

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



38, 24.738, 190.628



20, 42.894, 30.791

Rectangle

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



38, 24.738, 190.628



38, 24.738, 240.628



38, 24.738, 10.628



38, 24.738, 60.628

Sweetspot

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



38, 24.738, 190.627



52, 12.154, 193.948



37, 55.204, 136.637



26, 8.294, 193.797



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 24.738, 190.627



49, 31.579, 189.601



25, 26.844, 269.510



21, 2.331, 195.020



43, 28.850, 189.685



87, 50.162, 189.294

Inverse Universe

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



20, 42.894, 30.791



26, 60.703, 36.625



28, 36.203, 60.599



19, 2.446, 16.016



22, 54.705, 35.478



51, 98.762, 38.643

Previews

White Background



This preview shows how the CIELCh color 38, 24.738, 190.628 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, 24.738, 190.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

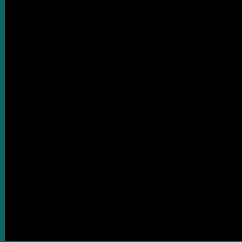
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.738, 190.628

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.738, 190.628.



This preview shows how white text looks on a background with the CIELCh color 38, 24.738, 190.628.

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, 24.738, 190.628

Protanopia

38, 0.850, 19.160

Deuteranopia

38, 7.826, 309.570



Tritanopia
38, 21.743, 210.170

Trichromacy



Original Color
38, 24.738, 190.628

Protanomaly
37, 11.623, 194.842

Deuteranomaly
37, 10.718, 218.570

Tritanomaly
38, 22.491, 203.107

Monochromacy



Original Color
38, 24.738, 190.628

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 11.716, 194.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.738, 190.628 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(15, 100, 96)` looks like.

```
.text, #text, p{  
    color:rgb(15, 100, 96)  
}
```

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(15, 100, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 100, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.738, 190.628 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(15, 100, 96) }
```

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

```
.border{ border-color:rgb(15, 100, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 100, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 100, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 100, 96);  
box-shadow:4px 4px 4px 4px rgb(15, 100,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.738, 190.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 100, 96) }
```

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

```
.background{ background-color: rgb(15, 100,  
96) }
```

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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