

Converting Colors

CIELCh(38, 24.783, 196.702)

Have a look what the booklet for
CIELCh(38, 24.783, 196.702)
contains.

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Color

CIELCh(38, 24.826, 196.431)

Conversions

Conversions Part 1

Format	Color
Hex	056464
RGB	5, 100, 100
RGB Percent	2%, 39%, 39%
CMY	0.9795, 0.6075, 0.6075
CMYK	0.95, 0.00, 0.00, 0.61
HSL	180°, 90%, 21%
HSV	180°, 95%, 39%
XYZ	6.9364, 10.0881, 13.6618
YIQ	71.5950, -56.6200, -20.1400

Conversions

Conversions Part 2

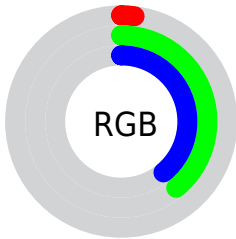
Format	Color
RYB	5, 53, 100
Decimal	353380
CIELab	38.00, -23.81, -7.02
CIELCh	38, 24.826, 196.431
Yxy	10.0881, 0.2260, 0.3287
Android (android.graphics.Color)	4278543460 (0xFF056464)
YUV	71.5950, 14.0037, -58.4038
Hunter-Lab	31.7617, -16.6006, -3.2695

Details

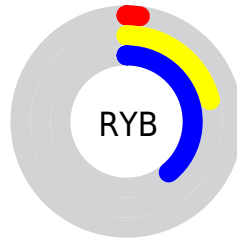
The CIELCh color **38, 24.826, 196.431** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 47.782, 35.101**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.726, 197.176**, and **19, 16.486, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **38, 25.237, 196.383**, and if you desaturate by 10%, it is **38, 23.987, 196.526**.

Distribution



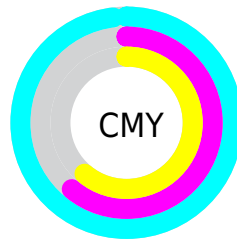
- Red (2%)
- Green (39%)
- Blue (39%)



- Red (2%)
- Yellow (21%)
- Blue (39%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (61%)




- Cyan (98%)
- Magenta (61%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 24.826, 196.431 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, 24.826, 196.431 by changing the saturation by 10% instead.


 38, 24.826,
196.431

 38, 24.826,
196.431

 100, 24.826,
196.431


 28, 24.826,
196.431

 58, 24.826,
196.431

 18, 24.826,
196.431


 68, 24.826,
196.431

 8, 24.826, 196.431

 78, 24.826,
196.431

 0, 24.826, 196.431

 88, 24.826,
196.431

 98, 24.826,
196.431

■ 38, 24.826,
196.431

■ 38, 24.826,
196.431

■ 38, 25.237,
196.383

■ 38, 23.987,
196.526

■ 38, 22.738,
196.669

■ 39, 21.007,
196.869

■ 39, 18.797,
197.128

■ 39, 16.136,
197.444

■ 40, 13.067,
197.815

■ 41, 9.641, 198.239

■ 41, 5.919, 198.719

Harmonies

Complementary

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



38, 24.826, 196.431



19, 47.782, 35.101

Rectangle

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



38, 24.826, 196.431



38, 24.826, 246.431



38, 24.826, 16.431



38, 24.826, 66.431

Sweetspot

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



38, 24.826, 196.430



52, 13.335, 198.061



36, 58.591, 136.292



26, 9.174, 197.928



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, 24.826, 196.430



49, 30.410, 196.383



22, 31.547, 277.496



21, 2.318, 199.038



43, 27.798, 196.383



87, 48.207, 196.383

Inverse Universe

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



19, 47.782, 35.101



26, 62.118, 38.507



27, 39.964, 61.863



19, 2.443, 19.843



22, 55.896, 37.350



51, 100.590, 39.999

Previews

White Background



This preview shows how the CIELCh color 38, 24.826, 196.431 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, 24.826, 196.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

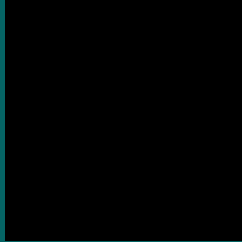
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.826, 196.431

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.826, 196.431.



This preview shows how white text looks on a background with the CIELCh color 38, 24.826, 196.431.

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, 24.826, 196.431

Protanopia

38, 2.505, 300.151

Deuteranopia

38, 10.024, 300.890



Tritanopia
38, 22.626, 209.552

Trichromacy



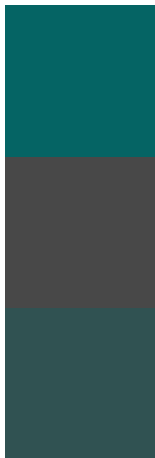
Original Color
38, 24.826, 196.431

Protanomaly
37, 12.729, 206.275

Deuteranomaly
37, 12.904, 226.960

Tritanomaly
38, 23.294, 204.364

Monochromacy



Original Color
38, 24.826, 196.431

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 12.920, 197.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.826, 196.431 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(5, 100, 100)` looks like.

```
.text, #text, p{  
    color:rgb(5, 100, 100)  
}
```

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(5, 100, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 100, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.826, 196.431 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(5, 100, 100) }
```

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

```
.border{ border-color:rgb(5, 100, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 100, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 100, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 100, 100);  
box-shadow:4px 4px 4px 4px rgb(5, 100,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.826, 196.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 100, 100) }
```

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

```
.background{ background-color: rgb(5, 100,  
100) }
```

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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