

Converting Colors

CIELCh(38, 24.073, 180.825)

Have a look what the booklet for
CIELCh(38, 24.073, 180.825)
contains.

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Color

CIELCh(38, 24.221, 180.096)

Conversions

Conversions Part 1

Format	Color
Hex	1F6459
RGB	31, 100, 89
RGB Percent	12%, 39%, 35%
CMY	0.8792, 0.6085, 0.6516
CMYK	0.69, 0.00, 0.11, 0.61
HSL	170°, 53%, 26%
HSV	170°, 69%, 39%
XYZ	6.8958, 10.0881, 10.9985
YIQ	78.1150, -37.5930, -18.0490

Conversions

Conversions Part 2

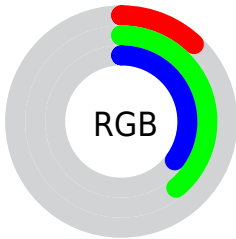
Format	Color
R_{YB}	31, 68, 100
Decimal	2057305
CIE _{Lab}	38.00, -24.22, -0.04
CIE _{LCh}	38, 24.221, 180.096
Yxy	10.0881, 0.2464, 0.3605
Android (android.graphics.Color)	4280247385 (0xFF1F6459)
YUV	78.1150, 5.3663, -41.3199
Hunter-Lab	31.7617, -16.8290, 1.7021

Details

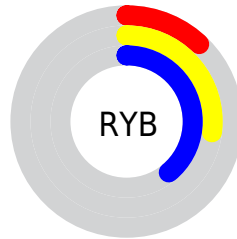
The CIELCh color **38, 24.221, 180.096** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 33.478, 17.277**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.074, 180.617**, and **19, 19.080, 176.860** is the 20% darker color. If you saturate the color by 10%, you get **38, 26.283, 178.913**, and if you desaturate by 10%, it is **38, 21.704, 181.180**.

Distribution



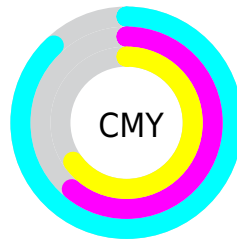
- Red (12%)
- Green (39%)
- Blue (35%)



- Red (12%)
- Yellow (27%)
- Blue (39%)



- Cyan (69%)
- Magenta (0%)
- Yellow (11%)
- Black (61%)



- Cyan (88%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 24.221, 180.096 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, 24.221, 180.096 by changing the saturation by 10% instead.

 38, 24.221,
180.096

 38, 24.221,
180.096

 100, 24.221,
180.096

 28, 24.221,
180.096

 58, 24.221,
180.096


 18, 24.221,
180.096

 68, 24.221,
180.096

 8, 24.221, 180.096

 78, 24.221,
180.096

 0, 24.221, 180.096

 88, 24.221,
180.096

 98, 24.221,
180.096

■ 38, 24.221,
180.096

■ 38, 24.221,
180.096

■ 38, 26.283,
178.913

■ 38, 21.704,
181.180

■ 38, 27.884,
177.617

■ 39, 18.763,
182.188

■ 37, 29.242,
176.303

■ 39, 15.447,
183.134

■ 37, 29.358,
176.197

■ 40, 11.815,
184.032

■ 41, 7.930, 184.897

■ 41, 3.852, 185.759

■ 42, 0.362, 5.602

■ 43, 4.664, 7.173

■ 44, 9.011, 7.955

Harmonies

Complementary

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



38, 24.221, 180.096



23, 33.478, 17.277

Rectangle

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



38, 24.221, 180.096



38, 24.221, 230.096



38, 24.221, 0.096



38, 24.221, 50.096

Sweetspot

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



38, 24.221, 180.095



52, 10.753, 184.686



37, 46.471, 135.687



27, 7.307, 184.521



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, 24.221, 180.095



49, 33.009, 178.112



31, 19.595, 247.170



21, 2.405, 185.778



43, 32.495, 175.919



86, 57.004, 174.877

Inverse Universe

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



23, 33.478, 17.277



28, 49.099, 23.070



28, 29.520, 51.724



19, 2.496, 7.079



23, 51.745, 29.892



51, 92.712, 33.269

Previews

White Background



This preview shows how the CIELCh color 38, 24.221, 180.096 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, 24.221, 180.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

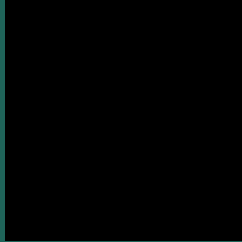
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.221, 180.096

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.221, 180.096.



This preview shows how white text looks on a background with the CIELCh color 38, 24.221, 180.096.

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, 24.221, 180.096

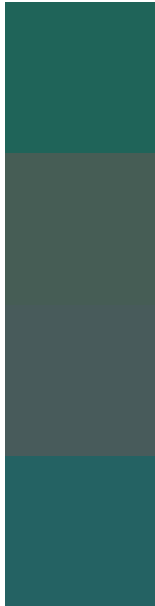
Protanopia
38, 3.894, 89.970

Deuteranopia
38, 5.640, 339.327



Tritanopia
38, 19.064, 212.380

Trichromacy



Original Color
38, 24.221, 180.096

Protanomaly
37, 10.714, 170.550

Deuteranomaly
37, 7.609, 198.432

Tritanomaly
38, 20.241, 198.702

Monochromacy



Original Color
38, 24.221, 180.096

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 10.435, 184.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.221, 180.096 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(31, 100, 89)` looks like.

```
.text, #text, p{  
    color:rgb(31, 100, 89)  
}
```

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(31, 100, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 100, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.221, 180.096 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(31, 100, 89) }
```

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

```
.border{ border-color:rgb(31, 100, 89) }
```

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

Here you see how a box with a 4 pixel rgb(31, 100, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 100, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 100, 89);  
box-shadow:4px 4px 4px 4px rgb(31, 100,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.221, 180.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 100, 89) }
```

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

```
.background{ background-color: rgb(31, 100,  
89) }
```

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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