

Converting Colors

CIELCh(38, 27.718, 175.144)

Have a look what the booklet for
CIELCh(38, 27.718, 175.144)
contains.

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Color

CIELCh(38, 27.718, 175.144)

Conversions

Conversions Part 1

Format	Color
Hex	146555
RGB	20, 101, 85
RGB Percent	8%, 40%, 33%
CMY	0.9222, 0.6043, 0.6671
CMYK	0.80, 0.00, 0.16, 0.60
HSL	168°, 67%, 24%
HSV	168°, 80%, 40%
XYZ	6.5642, 10.0881, 10.1745
YIQ	74.9570, -43.1400, -22.1480

Conversions

Conversions Part 2

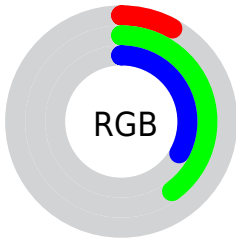
Format	Color
R_{YB}	20, 65, 101
Decimal	1336661
CIE _{Lab}	38.00, -27.62, 2.35
CIE _{LCh}	38, 27.718, 175.144
Yxy	10.0881, 0.2447, 0.3760
Android (android.graphics.Color)	4279526741 (0xFF146555)
YUV	74.9570, 4.9512, -48.1973
Hunter-Lab	31.7617, -18.6924, 3.2404

Details

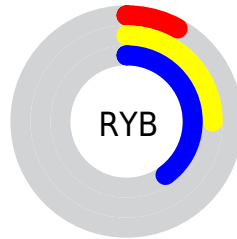
The CIELCh color **38, 27.718, 175.144** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 38.393, 18.113**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 27.721, 175.132**, and **19, 20.680, 169.975** is the 20% darker color. If you saturate the color by 10%, you get **38, 29.451, 173.663**, and if you desaturate by 10%, it is **38, 25.527, 176.485**.

Distribution



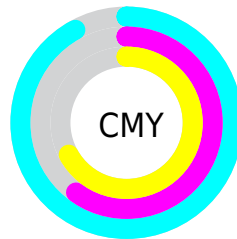
- Red (8%)
- Green (40%)
- Blue (33%)



- Red (8%)
- Yellow (25%)
- Blue (40%)



- Cyan (80%)
- Magenta (0%)
- Yellow (16%)
- Black (60%)



- Cyan (92%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 27.718, 175.144 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, 27.718, 175.144 by changing the saturation by 10% instead.

 38, 27.718,
175.144

 38, 27.718,
175.144

 100, 27.718,
175.144


 28, 27.718,
175.144

 58, 27.718,
175.144

 18, 27.718,
175.144

 68, 27.718,
175.144

 8, 27.718, 175.144

 78, 27.718,
175.144

 0, 27.718, 175.144

 88, 27.718,
175.144

 98, 27.718,
175.144

■ 38, 27.718,
175.144

■ 38, 27.718,
175.144

■ 38, 29.451,
173.663

■ 38, 25.527,
176.485

■ 38, 30.944,
172.244

■ 39, 22.882,
177.706

■ 39, 19.816,
178.827

■ 40, 16.378,
179.866

■ 40, 12.629,
180.839

■ 41, 8.633, 181.763

■ 42, 4.453, 182.664

■ 43, 0.145, 185.560

Harmonies

Complementary

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



38, 27.718, 175.144



22, 38.393, 18.113

Rectangle

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



38, 27.718, 175.144



38, 27.718, 225.144



38, 27.718, 355.144



38, 27.718, 45.144

Sweetspot

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



38, 27.718, 175.143



52, 12.452, 181.367



37, 52.052, 134.479



26, 8.577, 181.127



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, 27.718, 175.143



48, 36.666, 172.332



30, 21.266, 245.427



21, 2.444, 182.793



43, 34.014, 171.953



86, 59.856, 170.774

Inverse Universe

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



22, 38.393, 18.113



27, 53.913, 26.123



26, 36.115, 48.746



19, 2.526, 4.152



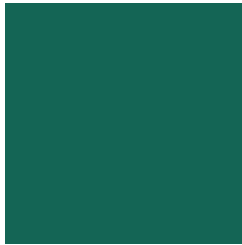
23, 50.553, 27.078



51, 90.358, 30.652

Previews

White Background



This preview shows how the CIELCh color 38, 27.718, 175.144 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, 27.718, 175.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

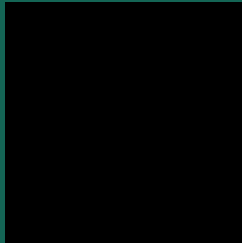
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 27.718, 175.144

Background



This preview shows how black text looks on a background with the CIELCh color 38, 27.718, 175.144.



This preview shows how white text looks on a background with the CIELCh color 38, 27.718, 175.144.

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, 27.718, 175.144

Protanopia
38, 6.372, 93.033

Deuteranopia
38, 5.325, 6.829



Tritanopia
38, 20.247, 211.337

Trichromacy



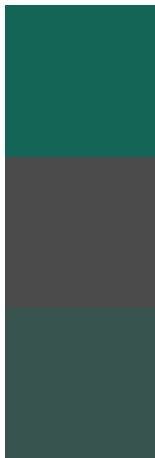
Original Color
38, 27.718, 175.144

Protanomaly
37, 13.454, 164.228

Deuteranomaly
37, 8.924, 182.081

Tritanomaly
38, 22.059, 195.102

Monochromacy



Original Color
38, 27.718, 175.144

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 12.079, 182.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 27.718, 175.144 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(20, 101, 85)` looks like.

```
.text, #text, p{  
    color:rgb(20, 101, 85)  
}
```

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(20, 101, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 101, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 27.718, 175.144 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(20, 101, 85) }
```

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

```
.border{ border-color:rgb(20, 101, 85) }
```

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

Here you see how a box with a 4 pixel rgb(20, 101, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 101, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 101, 85);  
box-shadow:4px 4px 4px 4px rgb(20, 101,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 27.718, 175.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 101, 85) }
```

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

```
.background{ background-color: rgb(20, 101,  
85) }
```

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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