

Converting Colors

CIELCh(38, 20.081, 175.516)

Have a look what the booklet for
CIELCh(38, 20.081, 175.516)
contains.

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Color

CIELCh(38, 20.213, 175.341)

Conversions

Conversions Part 1

Format	Color
Hex	306256
RGB	48, 98, 86
RGB Percent	19%, 38%, 34%
CMY	0.8108, 0.6148, 0.6619
CMYK	0.51, 0.00, 0.12, 0.61
HSL	166°, 34%, 29%
HSV	166°, 51%, 39%
XYZ	7.3079, 10.0881, 10.4133
YIQ	81.6820, -25.9480, -14.3320

Conversions

Conversions Part 2

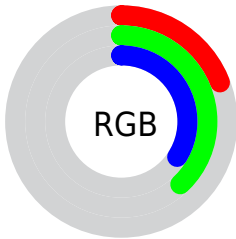
Format	Color
R_{YB}	48, 76, 98
Decimal	3170902
CIE _{Lab}	38.00, -20.15, 1.64
CIE _{LCh}	38, 20.213, 175.341
Yxy	10.0881, 0.2628, 0.3628
Android (android.graphics.Color)	4281360982 (0xFF306256)
YUV	81.6820, 2.1288, -29.5391
Hunter-Lab	31.7617, -14.5126, 2.7946

Details

The CIELCh color **38, 20.213, 175.341** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 24.175, 6.623**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 20.118, 175.881**, and **18, 19.111, 174.492** is the 20% darker color. If you saturate the color by 10%, you get **38, 23.375, 174.131**, and if you desaturate by 10%, it is **39, 16.702, 176.449**.

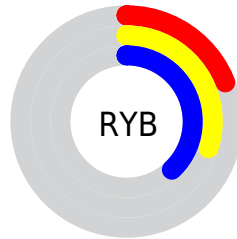
Distribution



Red (19%)

Green (38%)

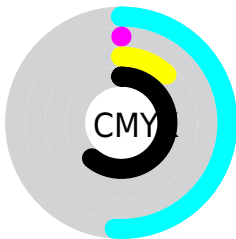
Blue (34%)



Red (19%)

Yellow (30%)

Blue (38%)

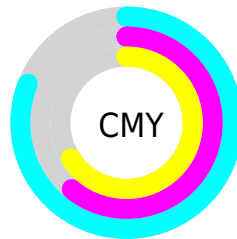


Cyan (51%)

Magenta (0%)

Yellow (12%)

Black (61%)



Cyan (81%)


Magenta (61%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 20.213, 175.341 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, 20.213, 175.341 by changing the saturation by 10% instead.


 38, 20.213,
175.341


 38, 20.213,
175.341

 100, 20.213,
175.341


 28, 20.213,
175.341


 58, 20.213,
175.341


 18, 20.213,
175.341


 68, 20.213,
175.341

 8, 20.213, 175.341

 78, 20.213,
175.341

 0, 20.213, 175.341

 88, 20.213,
175.341

 98, 20.213,
175.341

■ 38, 20.213,
175.341

■ 38, 20.213,
175.341

■ 38, 23.375,
174.131

■ 39, 16.702,
176.449

■ 37, 26.136,
172.803

■ 39, 12.901,
177.478

■ 37, 28.465,
171.337

■ 40, 8.875, 178.444

■ 37, 30.356,
169.717

■ 41, 4.685, 179.373

■ 42, 0.386, 180.930

■ 37, 31.948,
168.282

■ 43, 3.972, 0.899

■ 44, 8.351, 1.715

■ 45, 12.718, 2.475

■ 46, 17.048, 3.201

Harmonies

Complementary

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



38, 20.213, 175.341



27, 24.175, 6.623

Rectangle

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



38, 20.213, 175.341



38, 20.213, 225.341



38, 20.213, 355.341



38, 20.213, 45.341

Sweetspot

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



38, 20.213, 175.340



52, 7.952, 178.952



38, 34.063, 134.737



26, 5.369, 178.821



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 20.213, 175.340



48, 28.807, 173.888



34, 14.866, 230.008



20, 2.389, 179.564



42, 35.252, 167.944



85, 62.776, 166.608

Inverse Universe

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



27, 24.175, 6.623



32, 35.912, 9.238



30, 20.828, 44.298



18, 2.459, 0.942



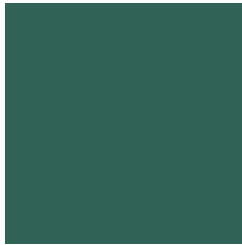
22, 48.522, 23.478



50, 87.121, 27.301

Previews

White Background



This preview shows how the CIELCh color 38, 20.213, 175.341 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, 20.213, 175.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

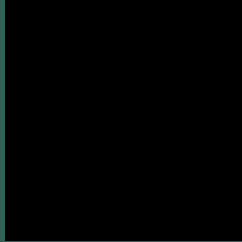
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 20.213, 175.341

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.213, 175.341.



This preview shows how white text looks on a background with the CIELCh color 38, 20.213, 175.341.

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, 20.213, 175.341

Protanopia

38, 5.201, 89.611

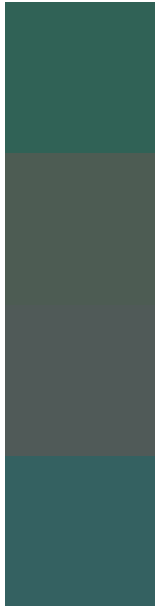
Deuteranopia

38, 5.483, 0.569



Tritanopia
38, 15.212, 214.276

Trichromacy



Original Color
38, 20.213, 175.341

Protanomaly
38, 8.463, 157.460

Deuteranomaly
37, 4.356, 182.403

Tritanomaly
38, 16.186, 197.397

Monochromacy



Original Color
38, 20.213, 175.341

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 7.861, 179.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.213, 175.341 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(48, 98, 86)` looks like.

```
.text, #text, p{  
    color:rgb(48, 98, 86)  
}
```

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(48, 98, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 98, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.213, 175.341 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(48, 98, 86) }
```

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

```
.border{ border-color:rgb(48, 98, 86) }
```

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

Here you see how a box with a 4 pixel rgb(48, 98, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 98, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 98, 86);  
box-shadow:4px 4px 4px 4px rgb(48, 98, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.213, 175.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 98, 86) }
```

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

```
.background{ background-color: rgb(48, 98,  
86) }
```

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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