

Converting Colors

CIELCh(38, 20.418, 215.205)

Have a look what the booklet for
CIELCh(38, 20.418, 215.205)
contains.

CIELCh(38, 20.473, 214.837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 20.473, 214.837)

Conversions

Conversions Part 1

Format	Color
Hex	21626C
RGB	33, 98, 108
RGB Percent	13%, 38%, 42%
CMY	0.8717, 0.6166, 0.5774
CMYK	0.70, 0.09, 0.00, 0.58
HSL	188°, 53%, 28%
HSV	188°, 70%, 42%
XYZ	7.6580, 10.0881, 15.6652
YIQ	79.7050, -41.9500, -10.6700

Conversions

Conversions Part 2

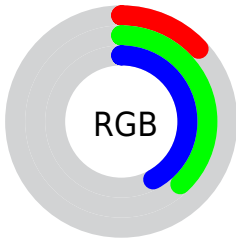
Format	Color
R_{YB}	33, 68, 108
Decimal	2187884
CIE Lab	38.00, -16.80, -11.70
CIE LCh	38, 20.473, 214.837
Yxy	10.0881, 0.2292, 0.3019
Android (android.graphics.Color)	4280377964 (0xFF21626C)
YUV	79.7050, 13.9494, -40.9603
Hunter-Lab	31.7617, -12.5450, -7.0092

Details

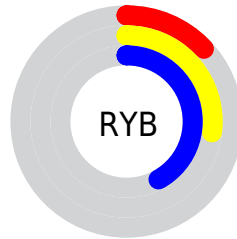
The CIELCh color **38, 20.473, 214.837** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 35.153, 36.439**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 20.503, 213.948**, and **19, 15.714, 223.241** is the 20% darker color. If you saturate the color by 10%, you get **37, 21.803, 216.137**, and if you desaturate by 10%, it is **39, 18.663, 213.846**.

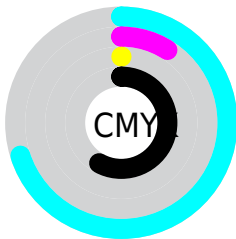
Distribution



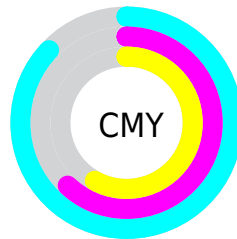
- Red (13%)
- Green (38%)
- Blue (42%)



- Red (13%)
- Yellow (27%)
- Blue (42%)



- Cyan (70%)
- Magenta (9%)
- Yellow (0%)
- Black (58%)





- Cyan (87%)
- Magenta (62%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 20.473, 214.837 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, 20.473, 214.837 by changing the saturation by 10% instead.


 38, 20.473,
214.837


 38, 20.473,
214.837

 100, 20.473,
214.837


 28, 20.473,
214.837

 58, 20.473,
214.837


 18, 20.473,
214.837


 68, 20.473,
214.837

 8, 20.473, 214.837

 78, 20.473,
214.837

 0, 20.473, 214.837

 88, 20.473,
214.837

 98, 20.473,
214.837

■ 38, 20.473,
214.837

■ 38, 20.473,
214.837

■ 37, 21.803,
216.137

■ 39, 18.663,
213.846

■ 37, 22.661,
217.796

■ 40, 16.396,
213.121

■ 36, 23.269,
219.647

■ 41, 13.712,
212.616

■ 36, 23.292,
219.711

■ 42, 10.661,
212.295

■ 43, 7.300, 212.127

■ 44, 3.683, 212.108

■ 46, 0.138, 29.484

■ 47, 4.116, 32.054

■ 48, 8.213, 32.254

Harmonies

Complementary

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



38, 20.473, 214.837



27, 35.153, 36.439

Rectangle

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



38, 20.473, 214.837



38, 20.473, 264.837



38, 20.473, 34.837



38, 20.473, 84.837

Sweetspot

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



38, 20.473, 214.836



55, 9.630, 212.148



40, 48.175, 141.446



28, 6.526, 212.176



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 20.473, 214.836



48, 27.095, 217.199



26, 30.750, 281.070



22, 2.138, 212.115



39, 24.726, 219.963



78, 42.421, 221.559

Inverse Universe

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



27, 46.572, 332.284



33, 63.653, 333.232



36, 32.004, 77.834



21, 4.021, 328.771



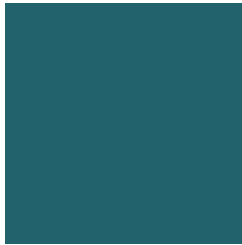
26, 58.902, 334.084



56, 100.768, 334.482

Previews

White Background



This preview shows how the CIELCh color 38, 20.473, 214.837 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, 20.473, 214.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

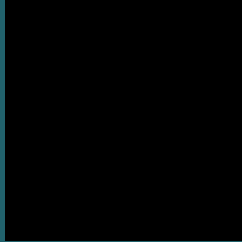
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

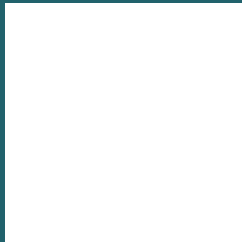
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 20.473, 214.837

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.473, 214.837.

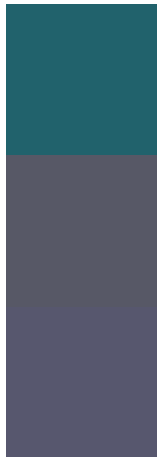


This preview shows how white text looks on a background with the CIELCh color 38, 20.473, 214.837.

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, 20.473, 214.837

Protanopia

38, 8.631, 288.912

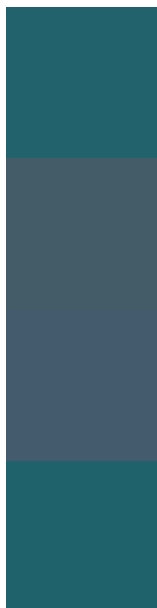
Deuteranopia

38, 14.185, 292.405



Tritanopia
38, 20.596, 211.053

Trichromacy



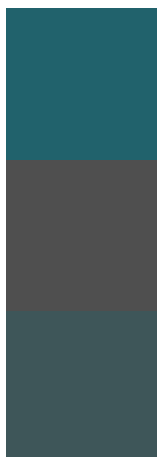
Original Color
38, 20.473, 214.837

Protanomaly
38, 11.591, 238.428

Deuteranomaly
37, 13.758, 252.977

Tritanomaly
38, 20.609, 212.864

Monochromacy



Original Color
38, 20.473, 214.837

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 9.478, 209.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.473, 214.837 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(33, 98, 108)` looks like.

```
.text, #text, p{  
    color:rgb(33, 98, 108)  
}
```

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(33, 98, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 98, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.473, 214.837 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(33, 98, 108) }
```

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

```
.border{ border-color:rgb(33, 98, 108) }
```

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

Here you see how a box with a 4 pixel rgb(33, 98, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 98, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 98, 108);  
box-shadow:4px 4px 4px 4px rgb(33, 98,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.473, 214.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 98, 108) }
```

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

```
.background{ background-color: rgb(33, 98,  
108) }
```

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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