

Converting Colors

CIELCh(38, 21.538, 196.443)

Have a look what the booklet for
CIELCh(38, 21.538, 196.443)
contains.

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Color

CIELCh(38, 21.559, 196.788)

Conversions

Conversions Part 1

Format	Color
Hex	1F6363
RGB	31, 99, 99
RGB Percent	12%, 39%, 39%
CMY	0.8790, 0.6122, 0.6122
CMYK	0.69, 0.00, 0.00, 0.61
HSL	180°, 52%, 25%
HSV	180°, 69%, 39%
XYZ	7.2571, 10.0881, 13.3388
YIQ	78.6680, -40.5280, -14.4160

Conversions

Conversions Part 2

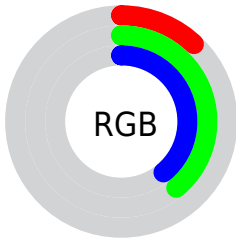
Format	Color
R_{YB}	31, 65, 99
Decimal	2057059
CIE _{Lab}	38.00, -20.64, -6.23
CIE _{LCh}	38, 21.559, 196.788
Yxy	10.0881, 0.2365, 0.3288
Android (android.graphics.Color)	4280247139 (0xFF1F6363)
YUV	78.6680, 10.0237, -41.8048
Hunter-Lab	31.7617, -14.7982, -2.6665

Details

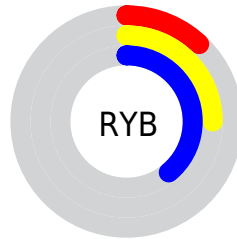
The CIELCh color **38, 21.559, 196.788** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 35.015, 28.692**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 21.461, 197.456**, and **19, 16.116, 198.913** is the 20% darker color. If you saturate the color by 10%, you get **38, 23.085, 196.609**, and if you desaturate by 10%, it is **38, 19.556, 197.022**.

Distribution



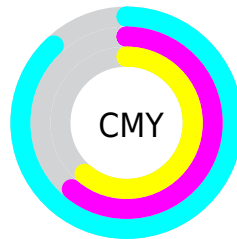
- Red (12%)
- Green (39%)
- Blue (39%)



- Red (12%)
- Yellow (25%)
- Blue (39%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 21.559, 196.788 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, 21.559, 196.788 by changing the saturation by 10% instead.

 38, 21.559,
196.788


 38, 21.559,
196.788

 100, 21.559,
196.788

 28, 21.559,
196.788

 58, 21.559,
196.788


 18, 21.559,
196.788


 68, 21.559,
196.788

 8, 21.559, 196.788

 78, 21.559,
196.788

 0, 21.559, 196.788

 88, 21.559,
196.788

 98, 21.559,
196.788

■ 38, 21.559,
196.788

■ 38, 21.559,
196.788

■ 38, 23.085,
196.609

■ 38, 19.556,
197.022

■ 38, 24.139,
196.488

■ 39, 17.094,
197.315

■ 37, 24.926,
196.398

■ 39, 14.210,
197.664

■ 37, 25.021,
196.387

■ 40, 10.952,
198.066

■ 40, 7.377, 198.521

■ 41, 3.543, 199.050

■ 42, 0.494, 18.800

■ 43, 4.684, 19.937

■ 44, 8.982, 20.530

Harmonies

Complementary

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



38, 21.559, 196.788



23, 35.015, 28.692

Rectangle

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



38, 21.559, 196.788



38, 21.559, 246.788



38, 21.559, 16.788



38, 21.559, 66.788

Sweetspot

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



38, 21.559, 196.787



51, 10.073, 198.388



37, 47.809, 138.740



26, 6.722, 198.305



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, 21.559, 196.787



48, 28.551, 196.523



27, 23.713, 269.439



20, 2.221, 199.046



42, 27.356, 196.387



86, 47.822, 196.387

Inverse Universe

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



25, 47.164, 327.593



31, 64.590, 328.006



31, 28.527, 67.276



18, 4.050, 324.870



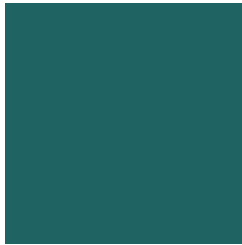
26, 63.084, 328.233



57, 110.278, 328.233

Previews

White Background



This preview shows how the CIELCh color 38, 21.559, 196.788 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, 21.559, 196.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

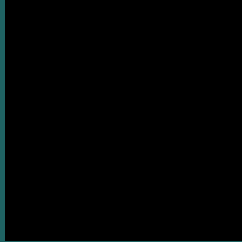
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 21.559, 196.788

Background



This preview shows how black text looks on a background with the CIELCh color 38, 21.559, 196.788.



This preview shows how white text looks on a background with the CIELCh color 38, 21.559, 196.788.

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, 21.559, 196.788

Protanopia

38, 2.505, 300.151

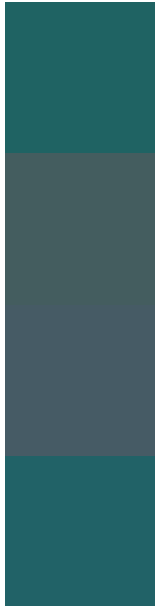
Deuteranopia

38, 9.497, 303.840



Tritanopia
38, 20.065, 211.488

Trichromacy



Original Color
38, 21.559, 196.788

Protanomaly
38, 9.732, 205.524

Deuteranomaly
37, 9.886, 237.467

Tritanomaly
38, 20.489, 205.729

Monochromacy



Original Color
38, 21.559, 196.788

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 9.859, 198.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 21.559, 196.788 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, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(31, 99, 99)  
}
```

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, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 99, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 21.559, 196.788 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, 99, 99) }
```

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

```
.border{ border-color:rgb(31, 99, 99) }
```

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

Here you see how a box with a 4 pixel rgb(31, 99, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(31, 99, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 21.559, 196.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 99, 99) }
```

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

```
.background{ background-color: rgb(31, 99,  
99) }
```

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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