

Converting Colors

CIELCh(38, 21.224, 169.056)

Have a look what the booklet for
CIELCh(38, 21.224, 169.056)
contains.

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Color

CIELCh(38, 21.034, 168.816)

Conversions

Conversions Part 1

Format	Color
Hex	326252
RGB	50, 98, 82
RGB Percent	20%, 38%, 32%
CMY	0.8028, 0.6146, 0.6773
CMYK	0.49, 0.00, 0.16, 0.61
HSL	160°, 32%, 29%
HSV	160°, 49%, 39%
XYZ	7.2577, 10.0881, 9.6026
YIQ	81.8240, -23.4720, -15.1520

Conversions

Conversions Part 2

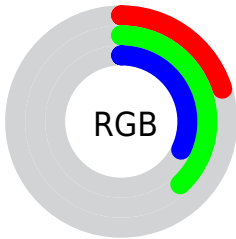
Format	Color
RYB	50, 79, 98
Decimal	3301970
CIELab	38.00, -20.63, 4.08
CIELCh	38, 21.034, 168.816
Yxy	10.0881, 0.2693, 0.3743
Android (android.graphics.Color)	4281492050 (0xFF326252)
YUV	81.8240, 0.0868, -27.9096
Hunter-Lab	31.7617, -14.7949, 4.3080

Details

The CIELCh color **38, 21.034, 168.816** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 23.696, 359.387**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 21.031, 168.280**, and **18, 20.788, 167.761** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.683, 167.523**, and if you desaturate by 10%, it is **39, 17.078, 169.986**.

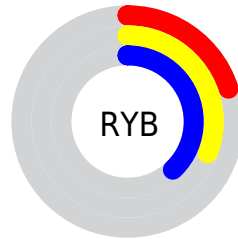
Distribution



Red (20%)

Green (38%)

Blue (32%)



Red (20%)

Yellow (31%)

Blue (38%)

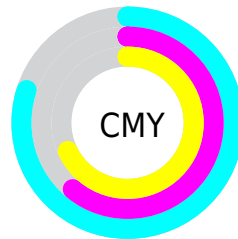


Cyan (49%)

Magenta (0%)

Yellow (16%)

Black (61%)



Cyan (80%)


Magenta (61%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 21.034, 168.816 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, 21.034, 168.816 by changing the saturation by 10% instead.


 38, 21.034,
168.816


 38, 21.034,
168.816

 100, 21.034,
168.816


 28, 21.034,
168.816

 58, 21.034,
168.816


 18, 21.034,
168.816


 68, 21.034,
168.816

 8, 21.034, 168.816

 78, 21.034,
168.816

 0, 21.034, 168.816

 88, 21.034,
168.816

 98, 21.034,
168.816

■ 38, 21.034,
168.816

■ 38, 21.034,
168.816

■ 38, 24.683,
167.523

■ 39, 17.078,
169.986

■ 37, 27.964,
166.089

■ 39, 12.880,
171.057

■ 37, 30.835,
164.494

■ 40, 8.505, 172.048

■ 37, 33.276,
162.724

■ 41, 4.016, 172.992

■ 36, 35.486,
160.947

■ 42, 0.534, 353.249

■ 36, 35.746,
160.756

■ 43, 5.099, 354.511

■ 44, 9.643, 355.289

■ 45, 14.139,
356.012

■ 46, 18.566,
356.698

Harmonies

Complementary

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



38, 21.034, 168.816



28, 23.696, 359.387

Rectangle

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



38, 21.034, 168.816



38, 21.034, 218.816



38, 21.034, 348.816



38, 21.034, 38.816

Sweetspot

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



38, 21.034, 168.815



52, 8.411, 172.370



38, 31.798, 131.931



26, 5.682, 172.236



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, 21.034, 168.815



48, 30.483, 167.262



36, 14.887, 215.309



20, 2.519, 172.990



41, 39.488, 160.378



84, 70.764, 158.892

Inverse Universe

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



28, 23.696, 359.387



33, 35.207, 1.666



29, 21.048, 35.301



18, 2.574, 354.382



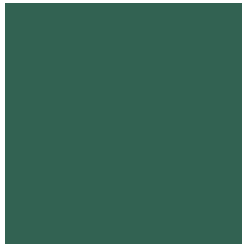
22, 46.706, 15.270



51, 82.829, 19.041

Previews

White Background



This preview shows how the CIELCh color 38, 21.034, 168.816 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, 21.034, 168.816 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, 21.034, 168.816

Background



This preview shows how black text looks on a background with the CIELCh color 38, 21.034, 168.816.



This preview shows how white text looks on a background with the CIELCh color 38, 21.034, 168.816.

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, 21.034, 168.816

Protanopia

38, 7.559, 95.322

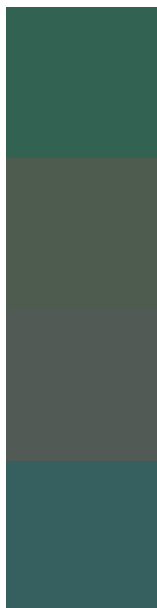
Deuteranopia

38, 5.719, 26.277



Tritanopia
38, 14.488, 217.862

Trichromacy



Original Color
38, 21.034, 168.816

Protanomaly
37, 10.305, 147.340

Deuteranomaly
37, 5.347, 155.036

Tritanomaly
38, 15.432, 195.157

Monochromacy



Original Color
38, 21.034, 168.816

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.418, 171.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 21.034, 168.816 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(50, 98, 82)` looks like.

```
.text, #text, p{  
    color:rgb(50, 98, 82)  
}
```

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(50, 98, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 98, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 21.034, 168.816 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(50, 98, 82) }
```

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

```
.border{ border-color:rgb(50, 98, 82) }
```

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

Here you see how a box with a 4 pixel rgb(50, 98, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 98, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 98, 82);  
box-shadow:4px 4px 4px 4px rgb(50, 98, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 21.034, 168.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 98, 82) }
```

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

```
.background{ background-color: rgb(50, 98,  
82) }
```

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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