

Converting Colors

CIELCh(38, 19.917, 138.456)

Have a look what the booklet for
CIELCh(38, 19.917, 138.456)
contains.

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Color

CIELCh(38, 20.043, 138.983)

Conversions

Conversions Part 1

Format	Color
Hex	486044
RGB	72, 96, 68
RGB Percent	28%, 38%, 27%
CMY	0.7188, 0.6248, 0.7345
CMYK	0.25, 0.00, 0.29, 0.62
HSL	111°, 17%, 32%
HSV	111°, 29%, 38%
XYZ	7.8383, 10.0881, 6.9553
YIQ	85.6320, -5.3160, -13.7960

Conversions

Conversions Part 2

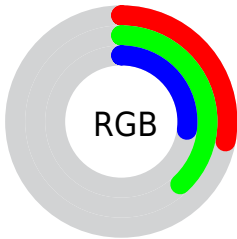
Format	Color
RYB	68, 96, 92
Decimal	4743236
CIELab	38.00, -15.12, 13.15
CIELCh	38, 20.043, 138.983
Yxy	10.0881, 0.3150, 0.4054
Android (android.graphics.Color)	4282933316 (0xFF486044)
YUV	85.6320, -8.6926, -11.9553
Hunter-Lab	31.7617, -11.5321, 9.2496

Details

The CIELCh color **38, 20.043, 138.983** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **32, 20.213, 321.754**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 20.436, 138.895**, and **18, 20.193, 139.462** is the 20% darker color. If you saturate the color by 10%, you get **37, 26.817, 138.332**, and if you desaturate by 10%, it is **39, 13.177, 139.572**.

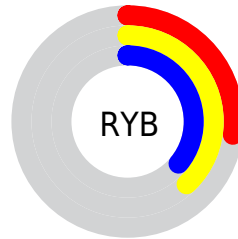
Distribution



Red (28%)

Green (38%)

Blue (27%)



Red (27%)

Yellow (38%)

Blue (36%)

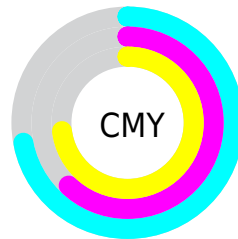


Cyan (25%)

Magenta (0%)

Yellow (29%)

Black (62%)



Cyan (72%)


Magenta (62%)


Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 20.043, 138.983 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, 20.043, 138.983 by changing the saturation by 10% instead.


 38, 20.043,
138.983

 38, 20.043,
138.983

 100, 20.043,
138.983

 28, 20.043,
138.983

 58, 20.043,
138.983

 18, 20.043,
138.983


 68, 20.043,
138.983

 8, 20.043, 138.983

 78, 20.043,
138.983

 0, 20.043, 138.983

 88, 20.043,
138.983

 98, 20.043,
138.983

■ 38, 20.043,
138.983

■ 38, 20.043,
138.983

■ 37, 26.817,
138.332

■ 39, 13.177,
139.572

■ 37, 33.381,
137.628

■ 40, 6.302, 140.099

■ 36, 39.589,
136.900

■ 41, 0.517, 320.275

■ 42, 7.234, 320.901

■ 36, 45.249,
136.201

■ 43, 13.817,
321.247

■ 35, 50.128,
135.615

■ 44, 20.246,
321.539

■ 35, 53.969,
135.247

■ 45, 26.509,
321.789

■ 35, 57.178,
134.764

■ 47, 32.599,
322.003

■ 35, 57.422,

134.705

■ 48, 38.516,
322.187

Harmonies

Complementary

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



38, 20.043, 138.983



32, 20.213, 321.754

Rectangle

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



38, 20.043, 138.983



38, 20.043, 188.983



38, 20.043, 318.983



38, 20.043, 8.983

Sweetspot

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



38, 20.044, 138.984



51, 7.641, 140.097



39, 14.574, 100.225



26, 5.355, 140.043



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, 20.044, 138.984



49, 29.830, 138.545



38, 16.274, 154.148



20, 3.862, 140.117



41, 64.383, 134.877



83, 113.265, 135.352

Inverse Universe

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



32, 20.213, 321.754



40, 30.123, 322.040



32, 16.509, 338.450



18, 3.878, 320.858



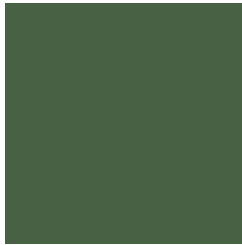
23, 63.753, 322.994



51, 111.560, 322.679

Previews

White Background



This preview shows how the CIELCh color 38, 20.043, 138.983 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, 20.043, 138.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

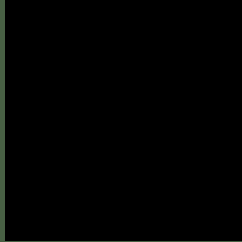
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 20.043, 138.983

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.043, 138.983.



This preview shows how white text looks on a background with the CIELCh color 38, 20.043, 138.983.

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, 20.043, 138.983

Protanopia
38, 15.007, 95.219

Deuteranopia
38, 12.994, 68.504



Tritanopia
38, 7.179, 235.827

Trichromacy



Original Color
38, 20.043, 138.983

Protanomaly
38, 15.314, 114.584

Deuteranomaly
38, 12.836, 104.011

Tritanomaly
38, 8.053, 175.858

Monochromacy



Original Color
38, 20.043, 138.983

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 7.320, 141.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.043, 138.983 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(72, 96, 68)` looks like.

```
.text, #text, p{  
    color:rgb(72, 96, 68)  
}
```

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(72, 96, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 96, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.043, 138.983 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(72, 96, 68) }
```

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

```
.border{ border-color:rgb(72, 96, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 96, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 96, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 96, 68);  
box-shadow:4px 4px 4px 4px rgb(72, 96, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.043, 138.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 96, 68) }
```

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

```
.background{ background-color: rgb(72, 96,  
68) }
```

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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