

Converting Colors

CIELCh(38, 20.223, 173.599)

Have a look what the booklet for
CIELCh(38, 20.223, 173.599)
contains.

CIELCh(38, 20.267, 173.526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(38, 20.267, 173.526)

Conversions

Conversions Part 1

Format	Color
Hex	316255
RGB	49, 98, 85
RGB Percent	19%, 38%, 33%
CMY	0.8071, 0.6149, 0.6659
CMYK	0.50, 0.00, 0.13, 0.61
HSL	164°, 33%, 29%
HSV	164°, 50%, 39%
XYZ	7.3088, 10.0881, 10.1951
YIQ	81.8670, -25.0310, -14.4310

Conversions

Conversions Part 2

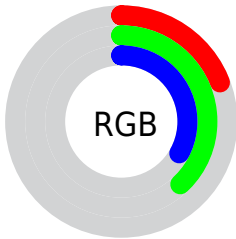
Format	Color
R_{YB}	49, 77, 98
Decimal	3236437
CIE _{Lab}	38.00, -20.14, 2.29
CIE _{LCh}	38, 20.267, 173.526
Yxy	10.0881, 0.2649, 0.3656
Android (android.graphics.Color)	4281426517 (0xFF316255)
YUV	81.8670, 1.5446, -28.8244
Hunter-Lab	31.7617, -14.5077, 3.2019

Details

The CIELCh color **38, 20.267, 173.526** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 23.780, 4.542**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 20.100, 174.117**, and **18, 19.512, 172.707** is the 20% darker color. If you saturate the color by 10%, you get **38, 23.573, 172.288**, and if you desaturate by 10%, it is **39, 16.626, 174.656**.

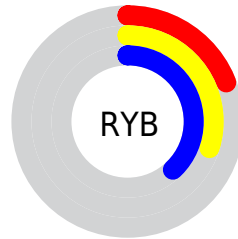
Distribution



Red (19%)

Green (38%)

Blue (33%)



Red (19%)

Yellow (30%)

Blue (38%)

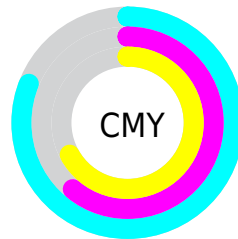


Cyan (50%)

Magenta (0%)

Yellow (13%)

Black (61%)



Cyan (81%)


Magenta (61%)

Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 20.267, 173.526 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, 20.267, 173.526 by changing the saturation by 10% instead.


 38, 20.267,
173.526

 38, 20.267,
173.526

 100, 20.267,
173.526


 28, 20.267,
173.526

 58, 20.267,
173.526


 18, 20.267,
173.526


 68, 20.267,
173.526

 8, 20.267, 173.526

 78, 20.267,
173.526

 0, 20.267, 173.526

 88, 20.267,
173.526

 98, 20.267,
173.526

■ 38, 20.267,
173.526

■ 38, 20.267,
173.526

■ 38, 23.573,
172.288

■ 39, 16.626,
174.656

■ 37, 26.491,
170.925

■ 39, 12.711,
175.701

■ 37, 28.983,
169.417

■ 40, 8.588, 176.679

■ 37, 31.038,
167.747

■ 41, 4.317, 177.618

■ 42, 0.047, 352.196

■ 36, 32.910,
166.101

■ 43, 4.456, 359.150

■ 36, 32.929,
166.085

■ 44, 8.872, 359.956

■ 45, 13.265, 0.708

■ 46, 17.612, 1.426

Harmonies

Complementary

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



38, 20.267, 173.526



27, 23.780, 4.542

Rectangle

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



38, 20.267, 173.526



38, 20.267, 223.526



38, 20.267, 353.526



38, 20.267, 43.526

Sweetspot

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



38, 20.267, 173.525



52, 8.066, 177.099



38, 33.252, 134.331



26, 5.447, 176.966



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, 20.267, 173.525



48, 29.077, 172.042



35, 14.651, 227.369



20, 2.421, 177.716



42, 36.362, 165.732



85, 64.875, 164.342

Inverse Universe

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



27, 23.780, 4.542



33, 35.392, 7.043



30, 20.507, 42.724



18, 2.487, 359.107



22, 47.922, 21.335



50, 85.779, 25.187

Previews

White Background



This preview shows how the CIELCh color 38, 20.267, 173.526 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, 20.267, 173.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

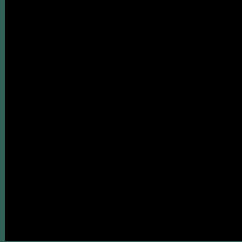
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 20.267, 173.526

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.267, 173.526.



This preview shows how white text looks on a background with the CIELCh color 38, 20.267, 173.526.

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, 20.267, 173.526

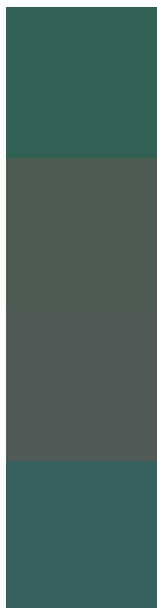
Protanopia
38, 5.784, 91.506

Deuteranopia
38, 5.325, 6.829



Tritanopia
38, 14.941, 214.614

Trichromacy



Original Color
38, 20.267, 173.526

Protanomaly
38, 8.898, 154.556

Deuteranomaly
37, 4.595, 175.072

Tritanomaly
38, 15.902, 197.432

Monochromacy



Original Color
38, 20.267, 173.526

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.121, 175.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.267, 173.526 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(49, 98, 85)` looks like.

```
.text, #text, p{  
    color:rgb(49, 98, 85)  
}
```

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(49, 98, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 98, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.267, 173.526 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(49, 98, 85) }
```

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

```
.border{ border-color:rgb(49, 98, 85) }
```

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

Here you see how a box with a 4 pixel rgb(49, 98, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 98, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 98, 85);  
box-shadow:4px 4px 4px 4px rgb(49, 98, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.267, 173.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 98, 85) }
```

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

```
.background{ background-color: rgb(49, 98,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor