

Converting Colors

CIELCh(20, 38.311, 340.113)

Have a look what the booklet for
CIELCh(20, 38.311, 340.113)
contains.

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Color

CIELCh(20, 38.288, 340.130)

Conversions

Conversions Part 1

Format	Color
Hex	581444
RGB	88, 20, 68
RGB Percent	35%, 8%, 27%
CMY	0.6550, 0.9217, 0.7335
CMYK	0.00, 0.77, 0.23, 0.66
HSL	318°, 63%, 21%
HSV	318°, 77%, 34%
XYZ	5.3133, 2.9891, 5.7609
YIQ	45.8040, 25.1200, 29.3440

Conversions

Conversions Part 2

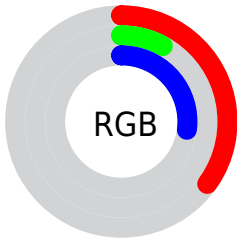
Format	Color
RYB	88, 20, 68
Decimal	5772356
CIELab	20.00, 36.01, -13.01
CIElCh	20, 38.288, 340.130
Yxy	2.9891, 0.3778, 0.2125
Android (android.graphics.Color)	4283962436 (0xFF581444)
YUV	45.8040, 10.9426, 37.0059
Hunter-Lab	17.2889, 24.6017, -7.6539




Details

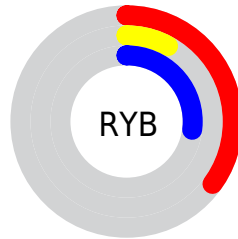
The CIELCh color **20, 38.288, 340.130** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **32, 39.210, 146.151**, and the grayscale version is **19, 0.003, 296.813**.




A 20% lighter version of the original color is **40, 38.125, 340.097**, and **5, 24.628, 347.022** is the 20% darker color. If you saturate the color by 10%, you get **19, 40.791, 341.327**, and if you desaturate by 10%, it is **22, 34.782, 339.092**.

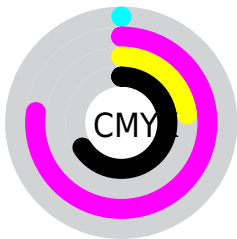
Distribution







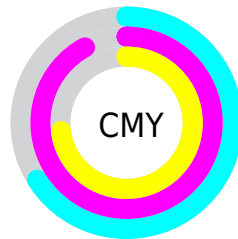
-  Red (35%)
-  Green (8%)
-  Blue (27%)






-  Red (35%)
-  Yellow (8%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (77%)
-  Yellow (23%)
-  Black (66%)





-  Cyan (66%)
-  Magenta (92%)
-  Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 38.288, 340.130 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 20, 38.288, 340.130 by changing the saturation by 10% instead.

 20, 38.288,
340.130


 20, 38.288,
340.130


 100, 38.288,
340.130


 10, 38.288,
340.130


 40, 38.288,
340.130


 0, 38.288, 340.130

 50, 38.288,
340.130

 60, 38.288,
340.130

 70, 38.288,
340.130

 80, 38.288,
340.130

 90, 38.288,

340.130

■ 20, 38.288,
340.130

■ 20, 38.288,
340.130

■ 19, 40.791,
341.327

■ 22, 34.782,
339.092

■ 18, 42.696,
342.605

■ 23, 30.480,
338.167

■ 18, 43.249,
342.932

■ 25, 25.607,
337.326

■ 28, 20.369,
336.548

■ 30, 14.936,
335.818

■ 33, 9.435, 335.127

■ 35, 3.956, 334.453

■ 38, 1.442, 154.018

■ 41, 6.723, 153.337

Harmonies

Complementary

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



20, 38.288, 340.130



32, 39.210, 146.151

Rectangle

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



20, 38.288, 340.130



20, 38.288, 30.130



20, 38.288, 160.130



20, 38.288, 210.130

Sweetspot

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



20, 38.286, 340.130



41, 15.655, 335.570



13, 47.102, 307.113



19, 10.927, 335.740



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



20, 38.286, 340.130



25, 50.721, 342.546



19, 33.092, 14.998



16, 2.999, 334.553



22, 49.399, 343.418



52, 86.746, 344.778

Inverse Universe

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



20, 38.286, 340.130



25, 50.721, 342.546



33, 24.824, 174.042



16, 2.999, 334.553



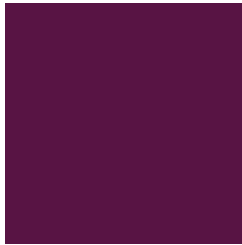
22, 49.399, 343.418



52, 86.746, 344.778

Previews

White Background



This preview shows how the CIE LCh color 20, 38.288, 340.130 looks on a white background.

Color Contrast Check

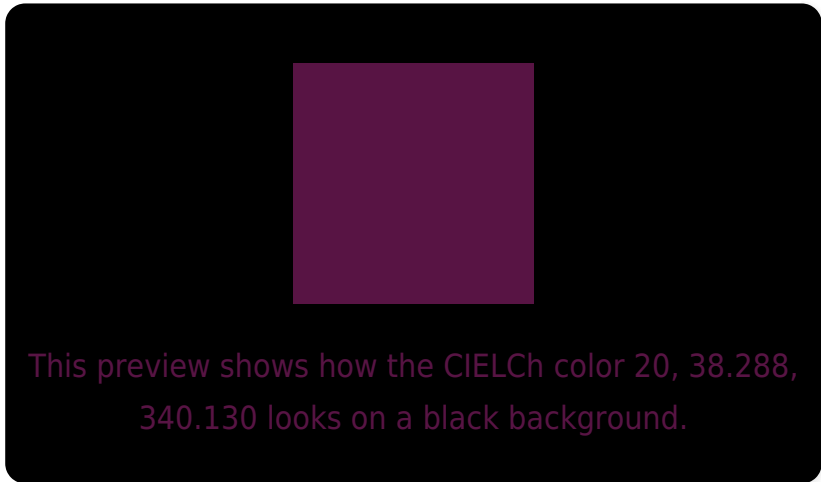
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

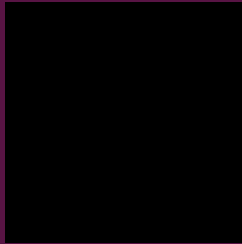
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 38.288, 340.130

Background



This preview shows how black text looks on a background with the CIELCh color 20, 38.288, 340.130.



This preview shows how white text looks on a background with the CIELCh color 20, 38.288, 340.130.

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

20, 38.288, 340.130

Protanopia

21, 27.912, 284.730

Deuteranopia

21, 10.167, 290.166



Tritanopia
20, 27.213, 24.093

Trichromacy



Original Color
20, 38.288, 340.130

Protanomaly
19, 30.480, 305.360

Deuteranomaly
19, 21.125, 324.224

Tritanomaly
20, 28.750, 4.704

Monochromacy



Original Color
20, 38.288, 340.130

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 15.869, 336.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 38.288, 340.130 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(88, 20, 68)` looks like.

```
.text, #text, p{  
    color:rgb(88, 20, 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(88, 20, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 20, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 38.288, 340.130 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(88, 20, 68) }
```

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

```
.border{ border-color:rgb(88, 20, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 20, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 20, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 20, 68);  
box-shadow:4px 4px 4px 4px rgb(88, 20, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 38.288, 340.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 20, 68) }
```

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

```
.background{ background-color: rgb(88, 20,  
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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