

Converting Colors

CIELCh(20, 37.950, 19.435)

Have a look what the booklet for
CIELCh(20, 37.950, 19.435) contains.

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Color

CIELCh(20, 37.729, 19.256)

Conversions

Conversions Part 1

Format	Color
Hex	601120
RGB	96, 17, 32
RGB Percent	38%, 7%, 13%
CMY	0.6237, 0.9334, 0.8746
CMYK	0.00, 0.82, 0.67, 0.62
HSL	349°, 70%, 22%
HSV	349°, 82%, 38%
XYZ	5.2808, 2.9891, 1.6634
YIQ	42.3310, 42.2690, 21.4130

Conversions

Conversions Part 2

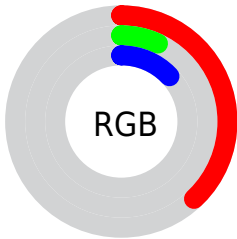
Format	Color
RYB	96, 17, 32
Decimal	6295840
CIELab	20.00, 35.62, 12.44
CIELCh	20, 37.729, 19.256
Yxy	2.9891, 0.5316, 0.3009
Android (android.graphics.Color)	4284485920 (0xFF601120)
YUV	42.3310, -5.0932, 47.0677
Hunter-Lab	17.2889, 24.2664, 6.3977

Details

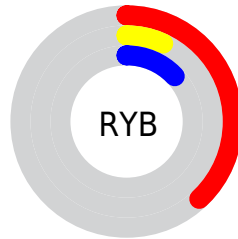
The CIELCh color **20, 37.729, 19.256** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 26.836, 175.621**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 37.612, 18.927**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **19, 41.373, 23.417**, and if you desaturate by 10%, it is **22, 33.615, 15.764**.

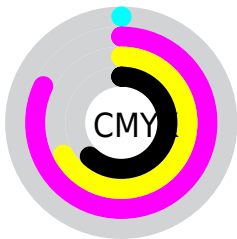
Distribution



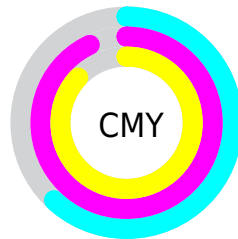
- Red (38%)
- Green (7%)
- Blue (13%)



- Red (38%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (82%)
- Yellow (67%)
- Black (62%)



- Cyan (62%)
- Magenta (93%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 37.729, 19.256 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, 37.729, 19.256 by changing the saturation by 10% instead.

■ 20, 37.729, 19.256

■ 20, 37.729, 19.256

■ 100, 37.729,
19.256

■ 10, 37.729, 19.256

■ 0, 37.729, 19.256

■ 40, 37.729, 19.256

■ 50, 37.729, 19.256

■ 60, 37.729, 19.256

■ 70, 37.729, 19.256

■ 80, 37.729, 19.256

■ 90, 37.729, 19.256

■ 20, 37.729, 19.256

■ 20, 37.729, 19.256

19, 41.373, 23.417

22, 33.615, 15.764

18, 44.258, 26.187

24, 29.088, 12.943

26, 24.301, 10.681

28, 19.415, 8.854

31, 14.564, 7.360

34, 9.840, 6.115

37, 5.301, 5.048

40, 0.973, 3.903

43, 3.136, 183.534

Harmonies

Complementary

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



20, 37.729, 19.256



36, 26.836, 175.621

Rectangle

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



20, 37.729, 19.256



20, 37.729, 69.256



20, 37.729, 199.256



20, 37.729, 249.256

Sweetspot

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



20, 37.727, 19.258



43, 13.806, 6.521



20, 51.621, 321.362



21, 9.544, 6.820



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



20, 37.727, 19.258



25, 53.769, 27.783



24, 35.618, 48.729



18, 2.413, 4.704



22, 49.912, 27.493



50, 90.059, 31.153

Inverse Universe

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



20, 37.727, 19.258



25, 53.769, 27.783



28, 20.758, 245.946



18, 2.413, 4.704



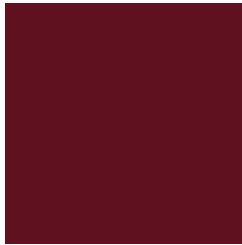
22, 49.912, 27.493



50, 90.059, 31.153

Previews

White Background



This preview shows how the CIELCh color 20, 37.729, 19.256 looks on a white background.

Color Contrast Check

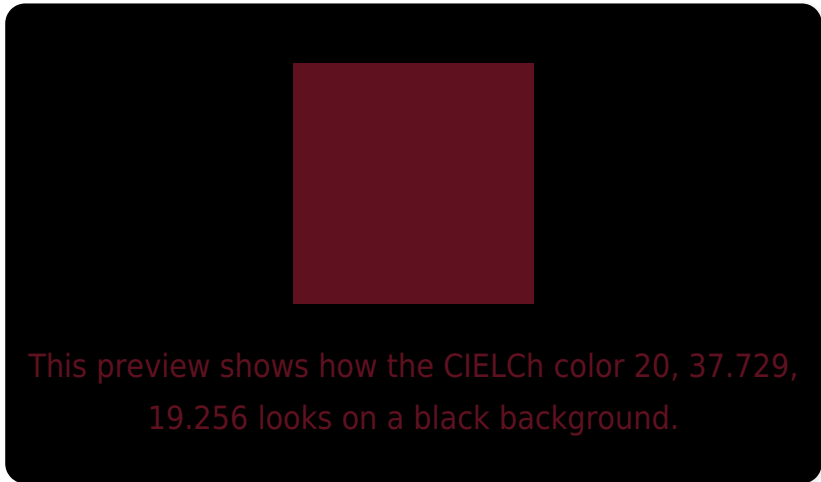
Large Text (above 18pt) WCAG AA ✓ Pass

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

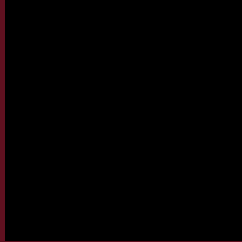
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 37.729, 19.256

Background



This preview shows how black text looks on a background with the CIELCh color 20, 37.729, 19.256.



This preview shows how white text looks on a background with the CIELCh color 20, 37.729, 19.256.

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, 37.729, 19.256

Protanopia

21, 3.664, 86.009

Deuteranopia

21, 15.521, 77.954



Tritanopia
20, 39.739, 31.706

Trichromacy



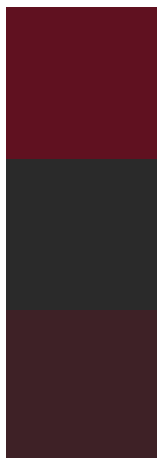
Original Color
20, 37.729, 19.256

Protanomaly
19, 15.722, 18.468

Deuteranomaly
20, 21.060, 38.308

Tritanomaly
20, 38.875, 27.779

Monochromacy



Original Color
20, 37.729, 19.256

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 14.938, 10.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 37.729, 19.256 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(96, 17, 32)` looks like.

```
.text, #text, p{  
    color:rgb(96, 17, 32)  
}
```

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(96, 17, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 17, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 37.729, 19.256 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(96, 17, 32) }
```

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

```
.border{ border-color:rgb(96, 17, 32) }
```

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

Here you see how a box with a 4 pixel rgb(96, 17, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 17, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 17, 32);  
box-shadow:4px 4px 4px 4px rgb(96, 17, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 37.729, 19.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 17, 32) }
```

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

```
.background{ background-color: rgb(96, 17,  
32) }
```

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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