

Converting Colors

CIELCh(20, 47.096, 341.136)

Have a look what the booklet for
CIELCh(20, 47.096, 341.136)
contains.

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Color

CIELCh(20, 46.956, 341.491)

Conversions

Conversions Part 1

Format	Color
Hex	610047
RGB	97, 0, 71
RGB Percent	38%, 0%, 28%
CMY	0.6199, 1.0000, 0.7218
CMYK	0.00, 1.00, 0.27, 0.62
HSL	316°, 100%, 19%
HSV	316°, 100%, 38%
XYZ	6.0556, 2.9891, 6.2076
YIQ	37.0970, 35.0210, 42.6450

Conversions

Conversions Part 2

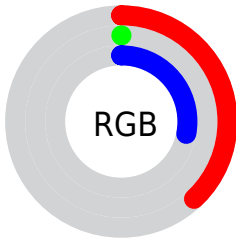
Format	Color
RYB	97, 0, 71
Decimal	6357063
CIELab	20.00, 44.53, -14.91
CIElCh	20, 46.956, 341.491
Yxy	2.9891, 0.3970, 0.1960
Android (android.graphics.Color)	4284547143 (0xFF610047)
YUV	37.0970, 16.7142, 52.5349
Hunter-Lab	17.2889, 32.2662, -9.1860

Details

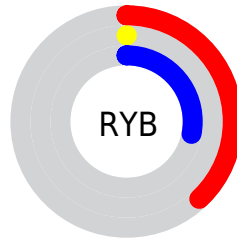
The CIELCh color **20, 46.956, 341.491** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 51.761, 141.521**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 47.147, 341.244**, and **7, 27.552, 349.577** is the 20% darker color. If you saturate the color by 10%, you get **20, 46.927, 341.497**, and if you desaturate by 10%, it is **21, 45.091, 340.308**.

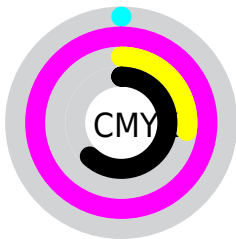
Distribution



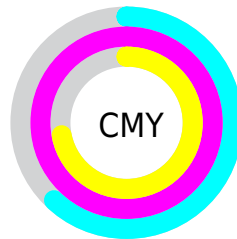
- Red (38%)
- Green (0%)
- Blue (28%)



- Red (38%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (62%)





- Cyan (62%)
- Magenta (100%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 46.956, 341.491 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, 46.956, 341.491 by changing the saturation by 10% instead.

 20, 46.956,
341.491


 20, 46.956,
341.491


 100, 46.956,
341.491


 10, 46.956,
341.491


 40, 46.956,
341.491

 0, 46.956, 341.491

 50, 46.956,
341.491

 60, 46.956,
341.491

 70, 46.956,
341.491

 80, 46.956,
341.491

 90, 46.956,

341.491

■ 20, 46.956,
341.491

■ 20, 46.956,
341.491

■ 20, 46.927,
341.497

■ 21, 45.091,
340.308

■ 22, 42.786,
339.159

■ 24, 39.310,
338.158

■ 25, 34.862,
337.262

■ 28, 29.690,
336.443

■ 30, 24.035,
335.679

■ 33, 18.102,
334.959

■ 35, 12.050,
334.275

■ 38, 5.992, 333.613

Harmonies

Complementary

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



20, 46.956, 341.491



35, 51.761, 141.521

Rectangle

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



20, 46.956, 341.491



20, 46.956, 31.491



20, 46.956, 161.491



20, 46.956, 211.491

Sweetspot

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



20, 46.927, 341.497



42, 22.306, 335.021



10, 63.815, 308.468



20, 15.327, 335.227



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, 46.927, 341.497



27, 55.907, 341.997



18, 43.622, 22.947



18, 3.357, 333.539



24, 51.870, 341.796



54, 89.683, 342.910

Inverse Universe

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



20, 46.927, 341.497



27, 55.907, 341.997



36, 31.374, 168.935



18, 3.357, 333.539



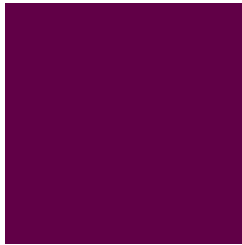
24, 51.870, 341.796



54, 89.683, 342.910

Previews

White Background



This preview shows how the CIELCh color 20, 46.956, 341.491 looks on a white background.

Color Contrast Check

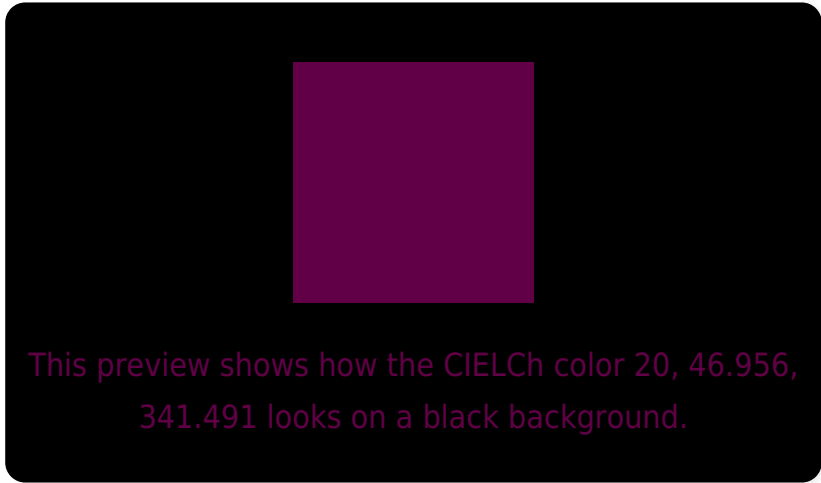
Large Text (above 18pt) WCAG AA ✓ Pass

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

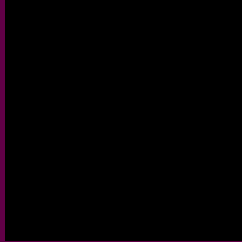
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 46.956, 341.491

Background



This preview shows how black text looks on a background with the CIELCh color 20, 46.956, 341.491.



This preview shows how white text looks on a background with the CIELCh color 20, 46.956, 341.491.

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, 46.956, 341.491

Protanopia

22, 33.754, 285.224

Deuteranopia

22, 10.105, 290.089



Tritanopia
21, 34.069, 27.940

Trichromacy



Original Color
20, 46.956, 341.491

Protanomaly
18, 39.949, 306.753

Deuteranomaly
19, 27.880, 326.066

Tritanomaly
20, 36.174, 6.734

Monochromacy



Original Color
20, 46.956, 341.491

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 22.836, 337.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 46.956, 341.491 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(97, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(97, 0, 71)  
}
```

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(97, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 0, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 46.956, 341.491 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(97, 0, 71) }
```

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

```
.border{ border-color:rgb(97, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 0, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 0, 71); box-shadow:4px  
4px 4px 4px rgb(97, 0, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 46.956, 341.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 0, 71) }
```

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

```
.background{ background-color: rgb(97, 0,  
71) }
```

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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