

Converting Colors

CIELCh(20, 49.139, 340.640)

Have a look what the booklet for
CIELCh(20, 49.139, 340.640)
contains.

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Color

CIELCh(20, 47.690, 340.700)

Conversions

Conversions Part 1

Format	Color
Hex	610048
RGB	97, 0, 72
RGB Percent	38%, 0%, 28%
CMY	0.6193, 1.0000, 0.7169
CMYK	0.00, 1.00, 0.26, 0.62
HSL	315°, 100%, 19%
HSV	315°, 100%, 38%
XYZ	6.0997, 2.9891, 6.4170
YIQ	37.2110, 34.7000, 42.9560

Conversions

Conversions Part 2

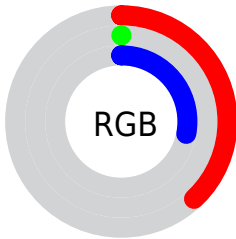
Format	Color
R_YB	97, 0, 72
Decimal	6357064
CIE _{Lab}	20.00, 45.01, -15.76
CIE _{LCh}	20, 47.690, 340.700
Yxy	2.9891, 0.3934, 0.1928
Android (android.graphics.Color)	4284547144 (0xFF610048)
YUV	37.2110, 17.1510, 52.4350
Hunter-Lab	17.2889, 32.7207, -9.9040

Details

The CIELCh color **20, 47.690, 340.700** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 52.231, 141.175**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 47.472, 340.667**, and **7, 27.840, 348.178** is the 20% darker color. If you saturate the color by 10%, you get **20, 47.341, 340.763**, and if you desaturate by 10%, it is **21, 45.490, 339.639**.

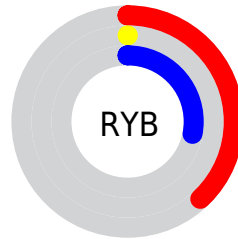
Distribution



Red (38%)

Green (0%)

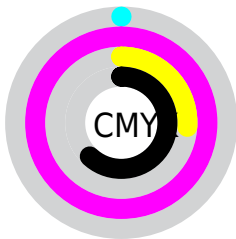
Blue (28%)



Red (38%)

Yellow (0%)

Blue (28%)

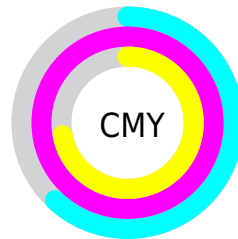


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (62%)



Cyan (62%)


Magenta (100%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 47.690, 340.700 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, 47.690, 340.700 by changing the saturation by 10% instead.

 20, 47.690,
340.700


 20, 47.690,
340.700


 100, 47.690,
340.700


 10, 47.690,
340.700


 40, 47.690,
340.700

 0, 47.690, 340.700

 50, 47.690,
340.700

 60, 47.690,
340.700

 70, 47.690,
340.700

 80, 47.690,
340.700

 90, 47.690,

340.700

■ 20, 47.690,
340.700

■ 20, 47.690,
340.700

■ 20, 47.341,
340.763

■ 21, 45.490,
339.639

■ 22, 43.162,
338.549

■ 24, 39.657,
337.592

■ 26, 35.174,
336.730

■ 28, 29.960,
335.935

■ 30, 24.257,
335.190

■ 33, 18.272,
334.485

■ 35, 12.165,
333.812

■ 38, 6.050, 333.159

Harmonies

Complementary

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



20, 47.690, 340.700



35, 52.231, 141.175

Rectangle

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



20, 47.690, 340.700



20, 47.690, 30.700



20, 47.690, 160.700



20, 47.690, 210.700

Sweetspot

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



20, 47.341, 340.763



42, 22.487, 334.545



9, 64.057, 308.261



20, 15.451, 334.747



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, 47.341, 340.763



27, 56.350, 341.228



18, 43.324, 21.567



18, 3.385, 333.085



24, 52.278, 341.041



54, 90.414, 342.082

Inverse Universe

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



20, 47.341, 340.763



27, 56.350, 341.228



36, 32.047, 167.446



18, 3.385, 333.085



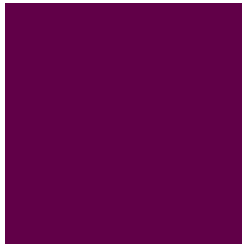
24, 52.278, 341.041



54, 90.414, 342.082

Previews

White Background



This preview shows how the CIELCh color 20, 47.690, 340.700 looks on a white background.

Color Contrast Check

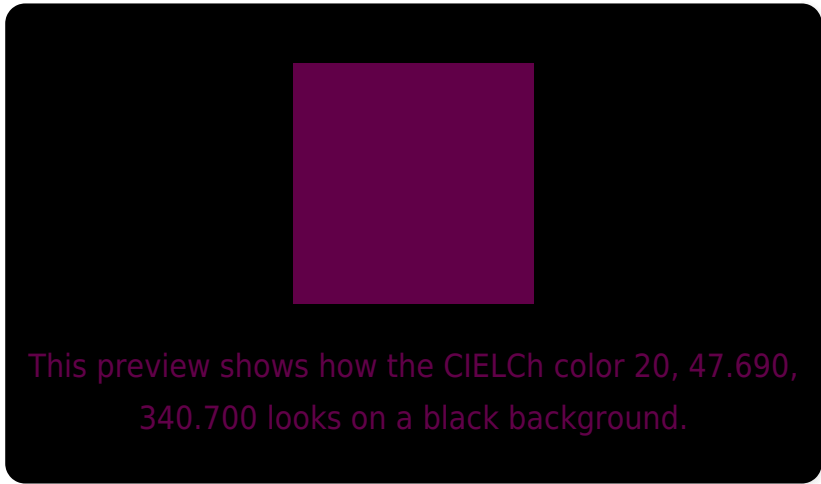
Large Text (above 18pt) WCAG AA ✓ Pass

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

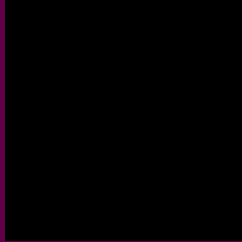
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 47.690, 340.700

Background



This preview shows how black text looks on a background with the CIELCh color 20, 47.690, 340.700.



This preview shows how white text looks on a background with the CIELCh color 20, 47.690, 340.700.

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, 47.277, 340.843

Protanopia

22, 35.062, 285.568

Deuteranopia

22, 10.758, 288.194



Tritanopia
21, 33.829, 26.902

Trichromacy



Original Color
20, 47.277, 340.843

Protanomaly
18, 41.201, 306.129

Deuteranomaly
19, 28.223, 324.466

Tritanomaly
20, 36.198, 5.674

Monochromacy



Original Color
20, 47.277, 340.843

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 23.269, 336.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 47.690, 340.700 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(97, 0, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 0, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 47.690, 340.700 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, 72) }
```

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

```
.border{ border-color:rgb(97, 0, 72) }
```

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, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 0, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 0, 72); box-shadow:4px  
4px 4px 4px rgb(97, 0, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 47.690, 340.700 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, 72) }
```

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

```
.background{ background-color: rgb(97, 0,  
72) }
```

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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