

Converting Colors

CIELCh(20, 47.564, 340.218)

Have a look what the booklet for
CIELCh(20, 47.564, 340.218)
contains.

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Color

CIELCh(20, 47.604, 340.207)

Conversions

Conversions Part 1

Format	Color
Hex	610049
RGB	97, 0, 73
RGB Percent	38%, 0%, 29%
CMY	0.6210, 1.0000, 0.7149
CMYK	0.00, 1.00, 0.25, 0.62
HSL	315°, 100%, 19%
HSV	315°, 100%, 38%
XYZ	6.0797, 2.9891, 6.5058
YIQ	37.3250, 34.3790, 43.2670

Conversions

Conversions Part 2

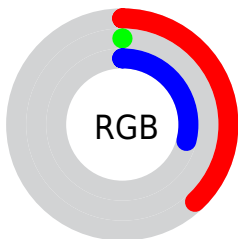
Format	Color
R_{YB}	97, 0, 73
Decimal	6357065
CIE _{Lab}	20.00, 44.79, -16.12
CIE _{LCh}	20, 47.604, 340.207
Yxy	2.9891, 0.3904, 0.1919
Android (android.graphics.Color)	4284547145 (0xFF610049)
YUV	37.3250, 17.5878, 52.3350
Hunter-Lab	17.2889, 32.5150, -10.2087

Details

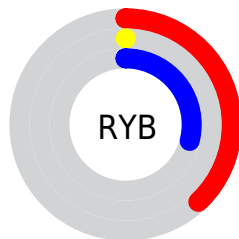
The CIELCh color **20, 47.604, 340.207** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 52.349, 140.945**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 47.803, 340.099**, and **7, 28.146, 346.820** is the 20% darker color. If you saturate the color by 10%, you get **20, 47.472, 340.230**, and if you desaturate by 10%, it is **21, 45.599, 339.154**.

Distribution



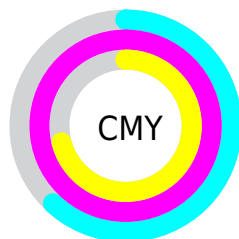
- Red (38%)
- Green (0%)
- Blue (29%)



- Red (38%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (62%)





- Cyan (62%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 47.604, 340.207 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, 47.604, 340.207 by changing the saturation by 10% instead.

 20, 47.604,
340.207


 20, 47.604,
340.207


 100, 47.604,
340.207


 10, 47.604,
340.207


 40, 47.604,
340.207

 0, 47.604, 340.207

 50, 47.604,
340.207

 60, 47.604,
340.207

 70, 47.604,
340.207

 80, 47.604,
340.207

 90, 47.604,

340.207

■ 20, 47.604,
340.207

■ 20, 47.604,
340.207

■ 20, 47.472,
340.230

■ 21, 45.599,
339.154

■ 22, 43.257,
338.107

■ 24, 39.741,
337.183

■ 25, 35.247,
336.345

■ 28, 30.023,
335.569

■ 30, 24.310,
334.839

■ 33, 18.314,
334.144

■ 35, 12.194,
333.479

■ 38, 6.065, 332.833

Harmonies

Complementary

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



20, 47.604, 340.207



35, 52.349, 140.945

Rectangle

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



20, 47.604, 340.207



20, 47.604, 30.207



20, 47.604, 160.207



20, 47.604, 210.207

Sweetspot

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



20, 47.472, 340.230



42, 22.619, 334.204



9, 64.024, 308.072



20, 15.541, 334.404



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, 47.472, 340.230



27, 56.678, 340.681



18, 42.867, 20.112



18, 3.406, 332.760



24, 52.580, 340.502



54, 90.958, 341.493

Inverse Universe

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



20, 47.472, 340.230



27, 56.678, 340.681



36, 32.592, 166.029



18, 3.406, 332.760



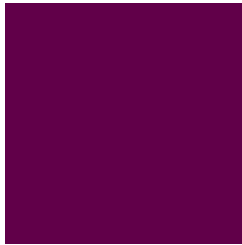
24, 52.580, 340.502



54, 90.958, 341.493

Previews

White Background



This preview shows how the CIELCh color 20, 47.604, 340.207 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



This preview shows how the CIE LCh color 20, 47.604, 340.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

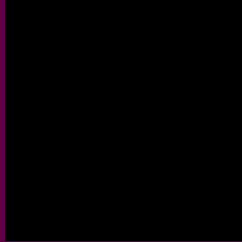
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 47.604, 340.207

Background



This preview shows how black text looks on a background with the CIELCh color 20, 47.604, 340.207.



This preview shows how white text looks on a background with the CIELCh color 20, 47.604, 340.207.

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, 47.604, 340.207

Protanopia

22, 35.112, 285.087

Deuteranopia

22, 10.787, 286.060



Tritanopia
21, 33.024, 27.493

Trichromacy



Original Color
20, 47.604, 340.207

Protanomaly
18, 41.222, 305.280

Deuteranomaly
19, 28.085, 323.645

Tritanomaly
20, 35.895, 4.132

Monochromacy



Original Color
20, 47.604, 340.207

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, 47.604, 340.207 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(97, 0, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 0, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 47.604, 340.207 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, 73) }
```

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

```
.border{ border-color:rgb(97, 0, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 0, 73); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 0, 73); box-shadow:4px  
4px 4px 4px rgb(97, 0, 73) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 47.604, 340.207 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, 73) }
```

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

```
.background{ background-color: rgb(97, 0,  
73) }
```

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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