

Converting Colors

CIELCh(20, 40.268, 342.038)

Have a look what the booklet for
CIELCh(20, 40.268, 342.038)
contains.

CIELCh(20, 40.093, 342.244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(20, 40.093, 342.244)

Conversions

Conversions Part 1

Format	Color
Hex	5B1043
RGB	91, 16, 67
RGB Percent	36%, 6%, 26%
CMY	0.6436, 0.9378, 0.7376
CMYK	0.00, 0.83, 0.26, 0.64
HSL	319°, 70%, 21%
HSV	319°, 83%, 36%
XYZ	5.4967, 2.9891, 5.5817
YIQ	44.2390, 28.3290, 31.7610

Conversions

Conversions Part 2

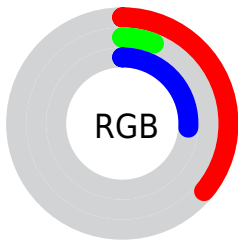
Format	Color
RYB	91, 16, 67
Decimal	5967939
CIELab	20.00, 38.18, -12.23
CIELCh	20, 40.093, 342.244
Yxy	2.9891, 0.3907, 0.2125
Android (android.graphics.Color)	4284158019 (0xFF5B1043)
YUV	44.2390, 11.2212, 41.0094
Hunter-Lab	17.2889, 26.4950, -7.0394




Details

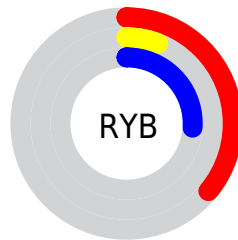
The CIELCh color **20, 40.093, 342.244** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 41.472, 146.175**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **40, 39.974, 342.393**, and **6, 25.188, 350.497** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.083, 343.685**, and if you desaturate by 10%, it is **21, 37.085, 341.006**.

Distribution







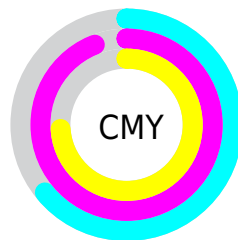
-  Red (36%)
-  Green (6%)
-  Blue (26%)






-  Red (36%)
-  Yellow (6%)
-  Blue (26%)



-  Cyan (0%)
-  Magenta (83%)
-  Yellow (26%)
-  Black (64%)




-  Cyan (64%)
-  Magenta (94%)
-  Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 40.093, 342.244 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, 40.093, 342.244 by changing the saturation by 10% instead.

 20, 40.093,
342.244

 20, 40.093,
342.244


 100, 40.093,
342.244

 10, 40.093,
342.244

 40, 40.093,
342.244

 0, 40.093, 342.244

 50, 40.093,
342.244

 60, 40.093,
342.244

 70, 40.093,
342.244

 80, 40.093,
342.244

 90, 40.093,

342.244

■ 20, 40.093,
342.244

■ 20, 40.093,
342.244

■ 19, 42.083,
343.685

■ 21, 37.085,
341.006

■ 18, 43.513,
344.740

■ 23, 33.144,
339.933

■ 25, 28.498,
338.981

■ 27, 23.372,
338.119

■ 30, 17.966,
337.324

■ 32, 12.431,
336.582

■ 35, 6.878, 335.878

■ 38, 1.384, 335.116

■ 41, 4.006, 154.693

Harmonies

Complementary

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



20, 40.093, 342.244



33, 41.472, 146.175

Rectangle

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



20, 40.093, 342.244



20, 40.093, 32.244



20, 40.093, 162.244



20, 40.093, 212.244

Sweetspot

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



20, 40.091, 342.244



41, 17.029, 336.817



13, 51.256, 308.198



19, 11.505, 336.977



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, 40.091, 342.244



25, 51.616, 345.261



19, 36.271, 19.641



17, 3.090, 335.621



23, 49.415, 345.256



53, 86.048, 346.755

Inverse Universe

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



20, 40.091, 342.244



25, 51.616, 345.261



34, 25.609, 176.291



17, 3.090, 335.621



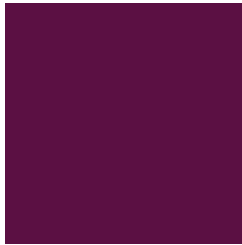
23, 49.415, 345.256



53, 86.048, 346.755

Previews

White Background



This preview shows how the CIELCh color 20, 40.093, 342.244 looks on a white background.

Color Contrast Check

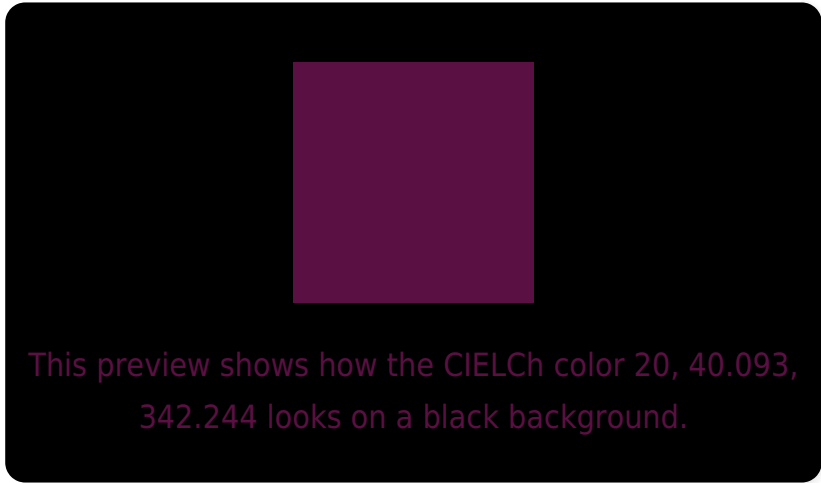
Large Text (above 18pt) WCAG AA ✓ Pass

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

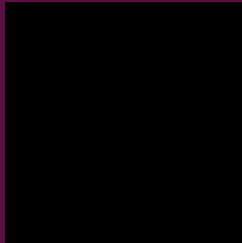
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 40.093, 342.244

Background



This preview shows how black text looks on a background with the CIELCh color 20, 40.093, 342.244.



This preview shows how white text looks on a background with the CIELCh color 20, 40.093, 342.244.

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, 40.093, 342.244

Protanopia

21, 28.552, 285.216

Deuteranopia

21, 9.490, 292.353



Tritanopia
20, 30.395, 25.615

Trichromacy



Original Color
20, 40.093, 342.244

Protanomaly
19, 31.260, 306.575

Deuteranomaly
19, 21.546, 326.419

Tritanomaly
20, 31.655, 6.474

Monochromacy



Original Color
20, 40.093, 342.244

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 17.312, 338.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 40.093, 342.244 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(91, 16, 67)` looks like.

```
.text, #text, p{  
    color:rgb(91, 16, 67)  
}
```

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(91, 16, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 16, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 40.093, 342.244 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(91, 16, 67) }
```

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

```
.border{ border-color:rgb(91, 16, 67) }
```

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

Here you see how a box with a 4 pixel rgb(91, 16, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 16, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 16, 67);  
box-shadow:4px 4px 4px 4px rgb(91, 16, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 40.093, 342.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 16, 67) }
```

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

```
.background{ background-color: rgb(91, 16,  
67) }
```

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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