

Converting Colors

CIELCh(20, 43.790, 357.127)

Have a look what the booklet for
CIELCh(20, 43.790, 357.127)
contains.

CIELCh(20, 43.470, 357.243)	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, 43.470, 357.243)

Conversions

Conversions Part 1

Format	Color
Hex	650035
RGB	101, 0, 53
RGB Percent	40%, 0%, 21%
CMY	0.6054, 1.0000, 0.7933
CMYK	0.00, 1.00, 0.48, 0.61
HSL	329°, 100%, 20%
HSV	329°, 100%, 39%
XYZ	5.9554, 2.9891, 3.5947
YIQ	36.2410, 43.1830, 37.8950

Conversions

Conversions Part 2

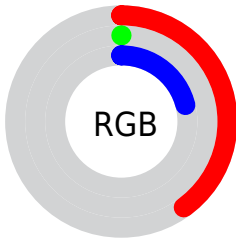
Format	Color
R_{YB}	101, 0, 53
Decimal	6619189
CIE Lab	20.00, 43.42, -2.09
CIE LCh	20, 43.470, 357.243
Yxy	2.9891, 0.4749, 0.2384
Android (android.graphics.Color)	4284809269 (0xFF650035)
YUV	36.2410, 8.2622, 56.7936
Hunter-Lab	17.2889, 31.2318, -0.2253

Details

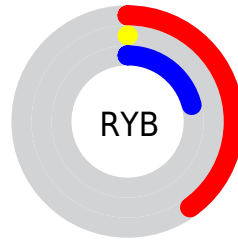
The CIELCh color **20, 43.470, 357.243** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 44.753, 149.421**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 43.425, 357.469**, and **7, 27.241, 15.749** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.346, 357.316**, and if you desaturate by 10%, it is **21, 41.503, 354.650**.

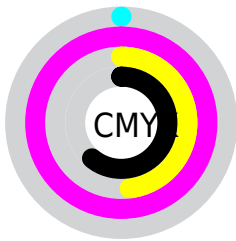
Distribution



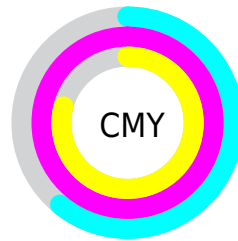
- Red (40%)
- Green (0%)
- Blue (21%)



- Red (40%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (61%)





- Cyan (61%)
- Magenta (100%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 43.470, 357.243 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, 43.470, 357.243 by changing the saturation by 10% instead.

 20, 43.470,
357.243


 20, 43.470,
357.243


 100, 43.470,
357.243


 10, 43.470,
357.243


 40, 43.470,
357.243

 0, 43.470, 357.243

 50, 43.470,
357.243

 60, 43.470,
357.243

 70, 43.470,
357.243

 80, 43.470,
357.243

 90, 43.470,

357.243

■ 20, 43.470,
357.243

■ 20, 43.470,
357.243

■ 20, 43.346,
357.316

■ 21, 41.503,
354.650

■ 22, 39.251,
352.164

■ 24, 35.931,
350.159

■ 26, 31.734,
348.513

■ 28, 26.905,
347.132

■ 31, 21.681,
345.946

■ 34, 16.256,
344.906

■ 37, 10.775,
343.974

■ 40, 5.337, 343.116

Harmonies

Complementary

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



20, 43.470, 357.243



37, 44.753, 149.421

Rectangle

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



20, 43.470, 357.243



20, 43.470, 47.243



20, 43.470, 177.243



20, 43.470, 227.243

Sweetspot

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



20, 43.346, 357.316



43, 20.077, 344.990



13, 63.120, 311.815



21, 13.813, 345.292



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



20, 43.346, 357.316



27, 51.843, 358.491



19, 49.214, 34.466



20, 3.026, 343.026



24, 47.470, 357.945



52, 81.752, 0.527

Inverse Universe

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



20, 43.346, 357.316



27, 51.843, 358.491



38, 25.967, 191.669



20, 3.026, 343.026



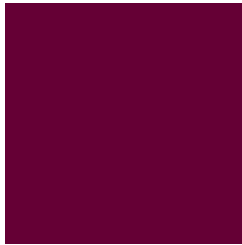
24, 47.470, 357.945



52, 81.752, 0.527

Previews

White Background



This preview shows how the CIE LCh color 20, 43.470, 357.243 looks on a white background.

Color Contrast Check

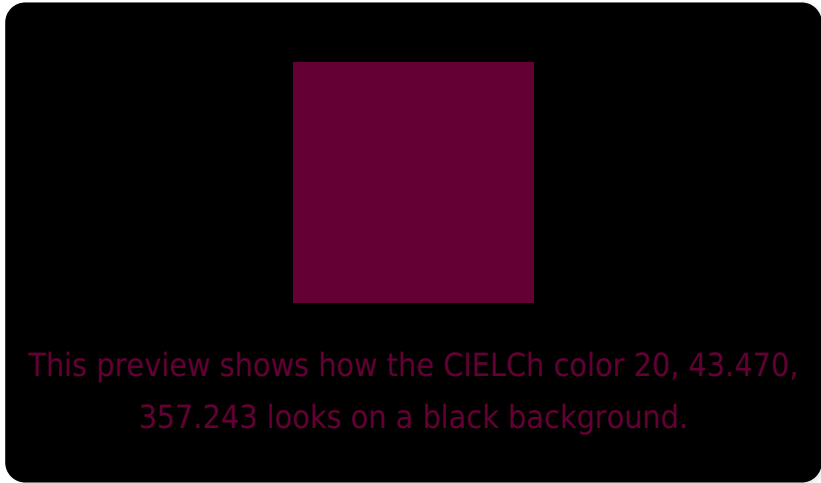
Large Text (above 18pt) WCAG AA ✓ Pass

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

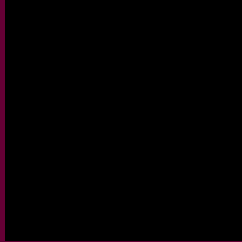
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 43.470, 357.243

Background



This preview shows how black text looks on a background with the CIELCh color 20, 43.470, 357.243.



This preview shows how white text looks on a background with the CIELCh color 20, 43.470, 357.243.

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, 43.470, 357.243

Protanopia

22, 16.225, 284.406

Deuteranopia

22, 4.360, 47.326



Tritanopia
21, 40.564, 31.683

Trichromacy



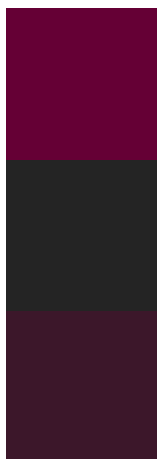
Original Color
20, 43.470, 357.243

Protanomaly
18, 26.862, 324.268

Deuteranomaly
19, 22.475, 353.764

Tritanomaly
20, 40.219, 18.112

Monochromacy



Original Color
20, 43.470, 357.243

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 21.251, 348.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 43.470, 357.243 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(101, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 53)  
}
```

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(101, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 43.470, 357.243 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(101, 0, 53) }
```

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

```
.border{ border-color:rgb(101, 0, 53) }
```

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

Here you see how a box with a 4 pixel rgb(101, 0, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(101, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 43.470, 357.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 53) }
```

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

```
.background{ background-color: rgb(101, 0,  
53) }
```

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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