

Converting Colors

CIELCh(20, 43.567, 358.731)

Have a look what the booklet for
CIELCh(20, 43.567, 358.731)
contains.

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Color

CIELCh(20, 43.238, 358.963)

Conversions

Conversions Part 1

Format	Color
Hex	650033
RGB	101, 0, 51
RGB Percent	40%, 0%, 20%
CMY	0.6046, 1.0000, 0.8006
CMYK	0.00, 1.00, 0.50, 0.60
HSL	330°, 100%, 20%
HSV	330°, 100%, 40%
XYZ	5.9385, 2.9891, 3.3792
YIQ	36.0130, 43.8250, 37.2730

Conversions

Conversions Part 2

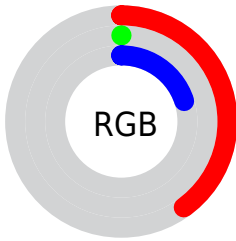
Format	Color
RYB	101, 0, 51
Decimal	6619187
CIELab	20.00, 43.23, -0.78
CIELCh	20, 43.238, 358.963
Yxy	2.9891, 0.4825, 0.2429
Android (android.graphics.Color)	4284809267 (0xFF650033)
YUV	36.0130, 7.3886, 56.9936
Hunter-Lab	17.2889, 31.0566, 0.5136

Details

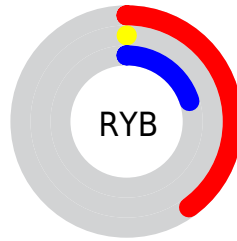
The CIELCh color **20, 43.238, 358.963** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 43.969, 150.360**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 43.149, 358.995**, and **7, 27.422, 18.956** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.179, 359.000**, and if you desaturate by 10%, it is **21, 41.286, 356.185**.

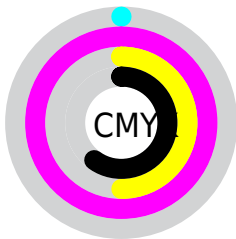
Distribution



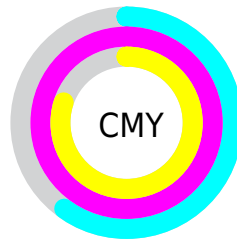
- Red (40%)
- Green (0%)
- Blue (20%)



- Red (40%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (60%)





- Cyan (60%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 43.238, 358.963 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, 43.238, 358.963 by changing the saturation by 10% instead.

 20, 43.238,
358.963


 20, 43.238,
358.963


 100, 43.238,
358.963


 10, 43.238,
358.963


 40, 43.238,
358.963

 0, 43.238, 358.963

 50, 43.238,
358.963

 60, 43.238,
358.963

 70, 43.238,
358.963

 80, 43.238,
358.963

 90, 43.238,

358.963

■ 20, 43.238,
358.963

■ 20, 43.238,
358.963

■ 20, 43.179,
359.000

■ 21, 41.286,
356.185

■ 22, 39.001,
353.560

■ 24, 35.669,
351.449

■ 26, 31.476,
349.724

■ 28, 26.666,
348.284

■ 31, 21.473,
347.054

■ 34, 16.090,
345.980

■ 37, 10.659,
345.023

■ 40, 5.276, 344.146

Harmonies

Complementary

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



20, 43.238, 358.963



37, 43.969, 150.360

Rectangle

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



20, 43.238, 358.963



20, 43.238, 48.963



20, 43.238, 178.963



20, 43.238, 228.963

Sweetspot

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



20, 43.179, 359.000



43, 19.841, 346.066



13, 62.993, 312.174



21, 13.653, 346.378



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, 43.179, 359.000



27, 51.605, 0.233



19, 49.642, 35.154



20, 2.987, 344.054



23, 47.239, 359.656



52, 81.469, 2.382

Inverse Universe

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



20, 43.179, 359.000



27, 51.605, 0.233



38, 25.664, 193.999



20, 2.987, 344.054



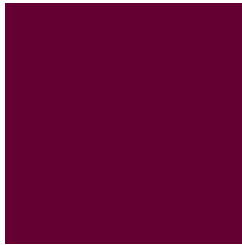
23, 47.239, 359.656



52, 81.469, 2.382

Previews

White Background



This preview shows how the CIE LCh color 20, 43.238, 358.963 looks on a white background.

Color Contrast Check

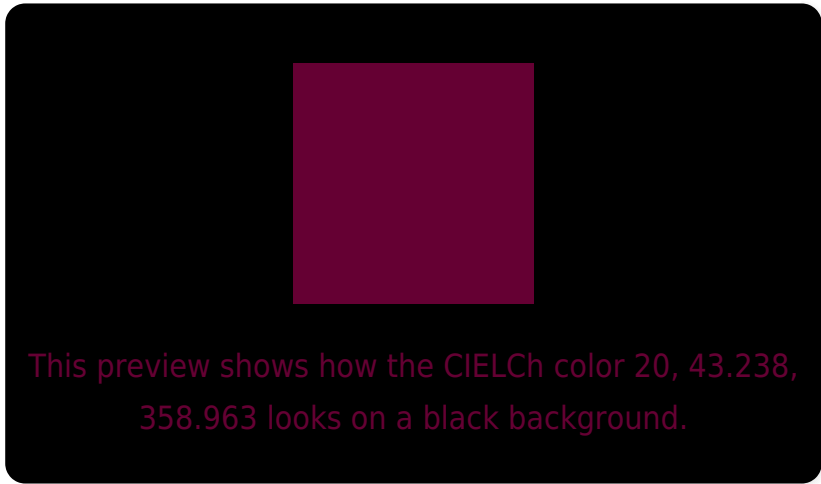
Large Text (above 18pt) WCAG AA ✓ Pass

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

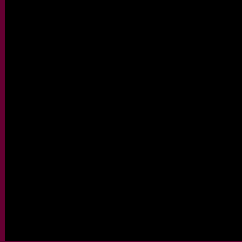
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 43.238, 358.963

Background



This preview shows how black text looks on a background with the CIELCh color 20, 43.238, 358.963.



This preview shows how white text looks on a background with the CIELCh color 20, 43.238, 358.963.

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, 43.238, 358.963

Protanopia

22, 14.215, 283.914

Deuteranopia

22, 5.148, 51.237



Tritanopia
21, 41.105, 32.010

Trichromacy



Original Color
20, 43.238, 358.963

Protanomaly
18, 25.440, 327.643

Deuteranomaly
19, 22.452, 357.773

Tritanomaly
20, 40.537, 19.981

Monochromacy



Original Color
20, 43.238, 358.963

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 20.965, 350.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 43.238, 358.963 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 43.238, 358.963 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, 51) }
```

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

```
.border{ border-color:rgb(101, 0, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(101, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 43.238, 358.963 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, 51) }
```

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

```
.background{ background-color: rgb(101, 0,  
51) }
```

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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