

Converting Colors

CIELCh(17, 52.966, 348.347)

Have a look what the booklet for
CIELCh(17, 52.966, 348.347)
contains.

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Color

CIELCh(20, 43.862, 352.065)

Conversions

Conversions Part 1

Format	Color
Hex	63003A
RGB	99, 0, 58
RGB Percent	39%, 0%, 23%
CMY	0.6105, 0.9983, 0.7715
CMYK	0.00, 1.00, 0.41, 0.61
HSL	325°, 99%, 20%
HSV	325°, 100%, 39%
XYZ	5.9575, 2.9891, 4.3030
YIQ	36.2130, 40.3860, 39.0260

Conversions

Conversions Part 2

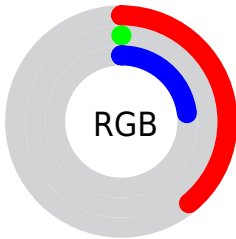
Format	Color
R_{YB}	99, 0, 58
Decimal	6488122
CIE _{Lab}	20.00, 43.44, -6.06
CIE _{LCh}	20, 43.862, 352.065
Yxy	2.9891, 0.4496, 0.2256
Android (android.graphics.Color)	4284678202 (0xFF63003A)
YUV	36.2130, 10.7410, 55.0642
Hunter-Lab	17.2889, 31.2526, -2.6544

Details

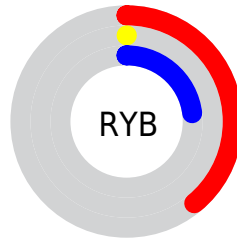
The CIELCh color **20, 43.862, 352.065** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 46.796, 146.777**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 43.879, 352.274**, and **6, 26.168, 8.180** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.943, 352.158**, and if you desaturate by 10%, it is **21, 42.118, 349.875**.

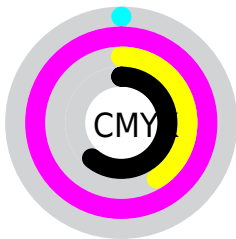
Distribution



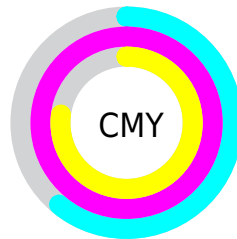
- Red (39%)
- Green (0%)
- Blue (23%)



- Red (39%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (61%)





- Cyan (61%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 43.862, 352.065 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, 43.862, 352.065 by changing the saturation by 10% instead.

 20, 43.862,
352.065


 20, 43.862,
352.065


 100, 43.862,
352.065


 10, 43.862,
352.065


 40, 43.862,
352.065

 0, 43.862, 352.065

 50, 43.862,
352.065

 60, 43.862,
352.065

 70, 43.862,
352.065

 80, 43.862,
352.065

 90, 43.862,

352.065

■ 20, 43.862,
352.065

■ 20, 43.862,
352.065

■ 20, 43.943,
352.158

■ 21, 42.118,
349.875

■ 22, 39.873,
347.846

■ 24, 36.522,
346.184

■ 26, 32.266,
344.795

■ 28, 27.355,
343.606

■ 31, 22.026,
342.563

■ 33, 16.478,
341.631

■ 36, 10.857,
340.782

■ 39, 5.264, 339.988

Harmonies

Complementary

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



20, 43.862, 352.065



36, 46.796, 146.777

Rectangle

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



20, 43.862, 352.065



20, 43.862, 42.065



20, 43.862, 172.065



20, 43.862, 222.065

Sweetspot

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



20, 43.860, 352.066



43, 20.874, 341.751



12, 63.139, 310.484



21, 14.354, 342.025



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, 43.860, 352.066



27, 52.955, 353.170



19, 47.237, 31.508



18, 3.023, 339.932



23, 47.767, 352.640



52, 82.635, 354.815

Inverse Universe

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



20, 43.860, 352.066



27, 52.955, 353.170



37, 27.347, 183.048



18, 3.023, 339.932



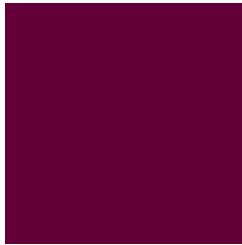
23, 47.767, 352.640



52, 82.635, 354.815

Previews

White Background



This preview shows how the CIE LCh color 20, 43.862, 352.065 looks on a white background.

Color Contrast Check

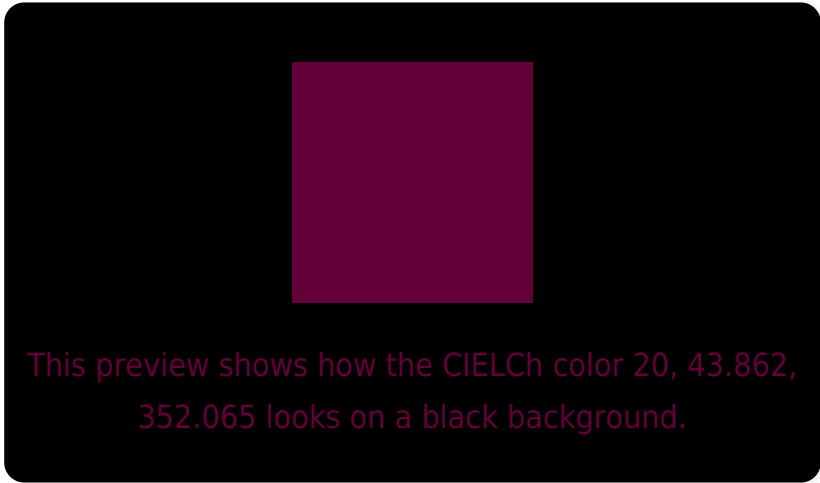
Large Text (above 18pt) WCAG AA ✓ Pass

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

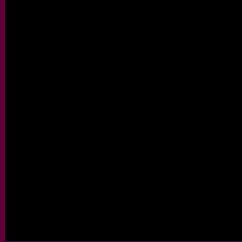
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 43.862, 352.065

Background



This preview shows how black text looks on a background with the CIELCh color 20, 43.862, 352.065.



This preview shows how white text looks on a background with the CIELCh color 20, 43.862, 352.065.

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, 43.862, 352.065

Protanopia

22, 22.310, 285.388

Deuteranopia

22, 3.445, 344.353



Tritanopia
21, 38.268, 29.956

Trichromacy



Original Color
20, 43.862, 352.065

Protanomaly
18, 30.471, 317.528

Deuteranomaly
19, 22.895, 343.584

Tritanomaly
20, 38.559, 15.176

Monochromacy



Original Color
20, 43.862, 352.065

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 21.553, 344.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 43.862, 352.065 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(99, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 58)  
}
```

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(99, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 43.862, 352.065 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(99, 0, 58) }
```

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

```
.border{ border-color:rgb(99, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 0, 58); box-shadow:4px  
4px 4px 4px rgb(99, 0, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 43.862, 352.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 0, 58) }
```

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

```
.background{ background-color: rgb(99, 0,  
58) }
```

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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