

Converting Colors

CIELCh(20, 44.954, 348.153)

Have a look what the booklet for
CIELCh(20, 44.954, 348.153)
contains.

CIELCh(20, 44.956, 348.152)	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, 44.956, 348.152)

Conversions

Conversions Part 1

Format	Color
Hex	63003F
RGB	99, 0, 63
RGB Percent	39%, 0%, 25%
CMY	0.6127, 1.0000, 0.7537
CMYK	0.00, 1.00, 0.36, 0.61
HSL	322°, 100%, 19%
HSV	322°, 100%, 39%
XYZ	6.0076, 2.9891, 4.9331
YIQ	36.7830, 38.7810, 40.5810

Conversions

Conversions Part 2

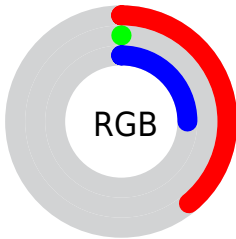
Format	Color
R_{YB}	99, 0, 63
Decimal	6488127
CIE Lab	20.00, 44.00, -9.23
CIE LCh	20, 44.956, 348.152
Yxy	2.9891, 0.4313, 0.2146
Android (android.graphics.Color)	4284678207 (0xFF63003F)
YUV	36.7830, 12.9250, 54.5643
Hunter-Lab	17.2889, 31.7708, -4.8154

Details

The CIELCh color **20, 44.956, 348.152** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 48.836, 144.693**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 44.999, 347.705**, and **7, 26.555, 0.708** is the 20% darker color. If you saturate the color by 10%, you get **20, 44.870, 348.183**, and if you desaturate by 10%, it is **21, 43.134, 346.372**.

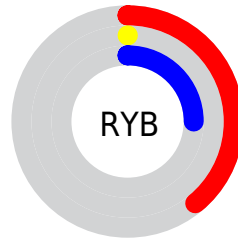
Distribution



Red (39%)

Green (0%)

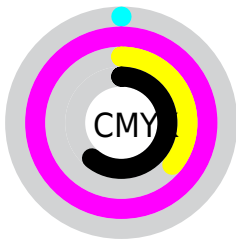
Blue (25%)



Red (39%)

Yellow (0%)

Blue (25%)

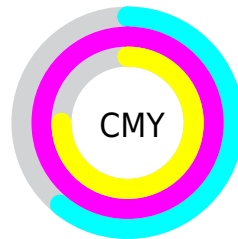


Cyan (0%)

Magenta (100%)

Yellow (36%)

Black (61%)



Cyan (61%)


Magenta (100%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 44.956, 348.152 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, 44.956, 348.152 by changing the saturation by 10% instead.

 20, 44.956,
348.152


 20, 44.956,
348.152


 100, 44.956,
348.152


 10, 44.956,
348.152


 40, 44.956,
348.152

 0, 44.956, 348.152

 50, 44.956,
348.152

 60, 44.956,
348.152

 70, 44.956,
348.152

 80, 44.956,
348.152

 90, 44.956,

348.152

■ 20, 44.956,
348.152

■ 20, 44.956,
348.152

■ 20, 44.870,
348.183

■ 21, 43.134,
346.372

■ 22, 40.936,
344.663

■ 24, 37.594,
343.241

■ 26, 33.307,
342.032

■ 28, 28.327,
340.976

■ 30, 22.897,
340.034

■ 33, 17.218,
339.179

■ 36, 11.444,
338.389

■ 39, 5.683, 337.643

Harmonies

Complementary

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



20, 44.956, 348.152



36, 48.836, 144.693

Rectangle

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



20, 44.956, 348.152



20, 44.956, 38.152



20, 44.956, 168.152



20, 44.956, 218.152

Sweetspot

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



20, 44.870, 348.183



43, 21.242, 339.250



11, 63.731, 309.649



20, 14.363, 339.487



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, 44.870, 348.183



27, 53.509, 348.974



19, 46.160, 29.019



18, 3.134, 337.558



23, 48.956, 348.596



53, 84.589, 350.375

Inverse Universe

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



20, 44.870, 348.183



27, 53.509, 348.974



37, 28.822, 177.226



18, 3.134, 337.558



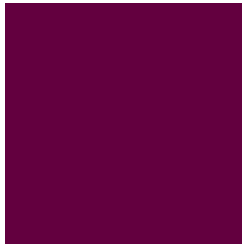
23, 48.956, 348.596



53, 84.589, 350.375

Previews

White Background



This preview shows how the CIELCh color 20, 44.956, 348.152 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, 44.956, 348.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

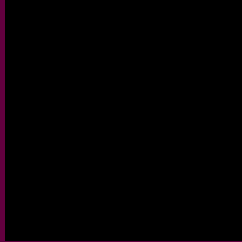
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 44.956, 348.152

Background



This preview shows how black text looks on a background with the CIELCh color 20, 44.956, 348.152.



This preview shows how white text looks on a background with the CIELCh color 20, 44.956, 348.152.

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, 44.956, 348.152

Protanopia

22, 26.338, 285.559

Deuteranopia

22, 5.065, 311.953



Tritanopia
21, 36.697, 29.165

Trichromacy



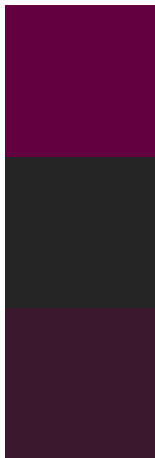
Original Color
20, 44.956, 348.152

Protanomaly
18, 33.963, 313.723

Deuteranomaly
19, 24.860, 337.263

Tritanomaly
20, 37.649, 12.113

Monochromacy



Original Color
20, 44.956, 348.152

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 21.624, 341.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 44.956, 348.152 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 44.956, 348.152 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, 63) }
```

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

```
.border{ border-color:rgb(99, 0, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 0, 63); box-shadow:4px  
4px 4px 4px rgb(99, 0, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 44.956, 348.152 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, 63) }
```

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

```
.background{ background-color: rgb(99, 0,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor