

Converting Colors

CIELCh(20, 43.180, 3.014)

Have a look what the booklet for
CIELCh(20, 43.180, 3.014) contains.

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Color

CIELCh(20, 43.183, 2.954)

Conversions

Conversions Part 1

Format	Color
Hex	66002F
RGB	102, 0, 47
RGB Percent	40%, 0%, 18%
CMY	0.6018, 1.0000, 0.8171
CMYK	0.00, 1.00, 0.54, 0.60
HSL	332°, 100%, 20%
HSV	332°, 100%, 40%
XYZ	5.9290, 2.9891, 2.9169
YIQ	35.8560, 45.7050, 36.2410

Conversions

Conversions Part 2

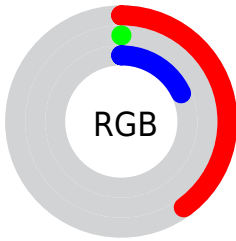
Format	Color
RYB	102, 0, 47
Decimal	6684719
CIELab	20.00, 43.13, 2.23
CIElCh	20, 43.183, 2.954
Yxy	2.9891, 0.5010, 0.2526
Android (android.graphics.Color)	4284874799 (0xFF66002F)
YUV	35.8560, 5.4940, 58.0083
Hunter-Lab	17.2889, 30.9591, 2.0991

Details

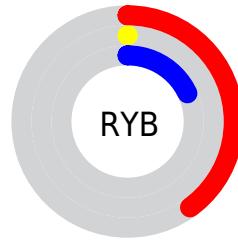
The CIELCh color **20, 43.183, 2.954** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 42.202, 152.702**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 43.402, 2.773**, and **7, 28.086, 20.962** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.045, 3.057**, and if you desaturate by 10%, it is **21, 41.001, 359.893**.

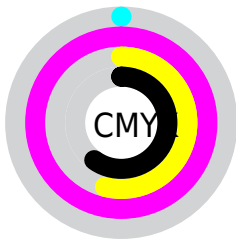
Distribution



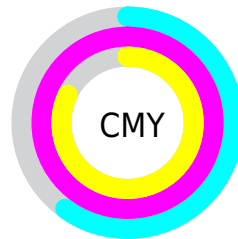
- Red (40%)
- Green (0%)
- Blue (18%)



- Red (40%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (60%)



- Cyan (60%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 43.183, 2.954 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, 43.183, 2.954 by changing the saturation by 10% instead.

 20, 43.183, 2.954

 20, 43.183, 2.954

 100, 43.183, 2.954

 10, 43.183, 2.954

 40, 43.183, 2.954

 0, 43.183, 2.954

 50, 43.183, 2.954

 60, 43.183, 2.954

 70, 43.183, 2.954

 80, 43.183, 2.954

 90, 43.183, 2.954

 20, 43.183, 2.954

 20, 43.183, 2.954

 20, 43.045, 3.057

 21, 41.001,

359.893

■ 22, 38.606,
356.943

■ 24, 35.215,
354.581

■ 26, 31.005,
352.667

■ 28, 26.214,
351.087

■ 31, 21.070,
349.753

■ 34, 15.760,
348.601

■ 37, 10.424,
347.585

■ 40, 5.153, 346.662

Harmonies

Complementary

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



20, 43.183, 2.954



37, 42.202, 152.702

Rectangle

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



20, 43.183, 2.954



20, 43.183, 52.954



20, 43.183, 182.954



20, 43.183, 232.954

Sweetspot

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



20, 43.045, 3.057



44, 19.631, 348.696



14, 62.680, 313.319



21, 13.302, 349.023



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, 43.045, 3.057



28, 51.993, 4.491



20, 49.807, 36.827



19, 2.899, 346.565



23, 46.896, 3.750



52, 81.207, 6.794

Inverse Universe

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



20, 43.045, 3.057



28, 51.993, 4.491



37, 24.409, 201.469



19, 2.899, 346.565



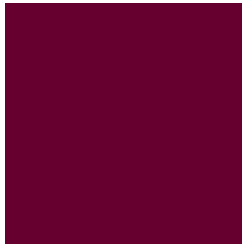
23, 46.896, 3.750



52, 81.207, 6.794

Previews

White Background



This preview shows how the CIELCh color 20, 43.183, 2.954 looks on a white background.

Color Contrast Check

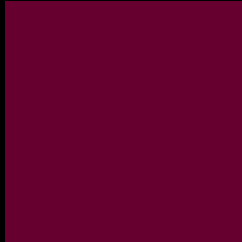
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.183, 2.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

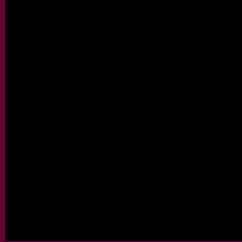
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 43.183, 2.954

Background



This preview shows how black text looks on a background with the CIELCh color 20, 43.183, 2.954.



This preview shows how white text looks on a background with the CIELCh color 20, 43.183, 2.954.

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, 43.183, 2.954

Protanopia

22, 10.787, 286.060

Deuteranopia

22, 7.749, 63.517



Tritanopia
21, 42.384, 33.158

Trichromacy



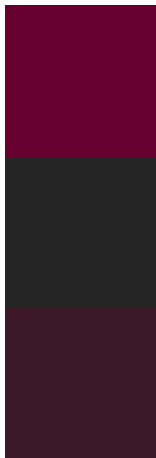
Original Color
20, 43.183, 2.954

Protanomaly
19, 23.432, 334.680

Deuteranomaly
19, 22.359, 5.172

Tritanomaly
20, 41.727, 22.663

Monochromacy



Original Color
20, 43.183, 2.954

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 20.701, 352.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 43.183, 2.954 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(102, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 47)  
}
```

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(102, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 43.183, 2.954 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(102, 0, 47) }
```

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

```
.border{ border-color:rgb(102, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(102, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(102, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 43.183, 2.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 47) }
```

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

```
.background{ background-color: rgb(102, 0,  
47) }
```

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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