

Converting Colors

CIELCh(20, 44.163, 18.373)

Have a look what the booklet for
CIELCh(20, 44.163, 18.373) contains.

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Color

CIELCh(20, 44.280, 18.703)

Conversions

Conversions Part 1

Format	Color
Hex	67011E
RGB	103, 1, 30
RGB Percent	40%, 0%, 12%
CMY	0.5965, 0.9966, 0.8827
CMYK	0.00, 0.99, 0.71, 0.60
HSL	343°, 98%, 20%
HSV	343°, 99%, 40%
XYZ	5.8235, 2.9891, 1.4930
YIQ	34.8040, 51.4830, 30.6430

Conversions

Conversions Part 2

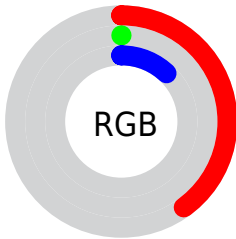
Format	Color
R_{YB}	103, 1, 30
Decimal	6750494
CIE _{Lab}	20.00, 41.94, 14.20
CIE _{LCh}	20, 44.280, 18.703
Yxy	2.9891, 0.5651, 0.2900
Android (android.graphics.Color)	4284940574 (0xFF67011E)
YUV	34.8040, -2.3684, 59.8079
Hunter-Lab	17.2889, 29.8692, 6.9821

Details

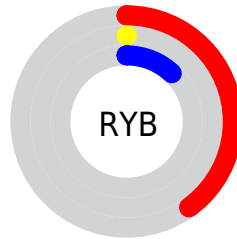
The CIELCh color **20, 44.280, 18.703** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **38, 34.723, 164.499**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 44.471, 18.948**, and **6, 26.978, 20.143** is the 20% darker color. If you saturate the color by 10%, you get **20, 44.561, 19.028**, and if you desaturate by 10%, it is **21, 41.209, 14.570**.

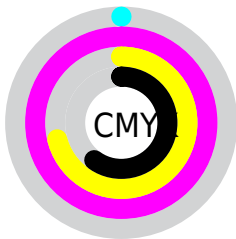
Distribution



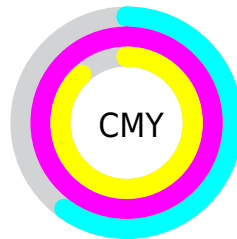
- Red (40%)
- Green (0%)
- Blue (12%)



- Red (40%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (99%)
- Yellow (71%)
- Black (60%)



- Cyan (60%)
- Magenta (100%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 44.280, 18.703 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, 44.280, 18.703 by changing the saturation by 10% instead.

 20, 44.280, 18.703

 20, 44.280, 18.703

 100, 44.280,
18.703

 10, 44.280, 18.703

 0, 44.280, 18.703

 40, 44.280, 18.703

 50, 44.280, 18.703

 60, 44.280, 18.703

 70, 44.280, 18.703

 80, 44.280, 18.703

 90, 44.280, 18.703

 20, 44.280, 18.703

 20, 44.280, 18.703

■ 20, 44.561, 19.028

■ 21, 41.209, 14.570

■ 22, 37.913, 10.684

■ 24, 33.919, 7.555

■ 26, 29.362, 5.050

■ 29, 24.438, 3.030

■ 32, 19.339, 1.375

■ 34, 14.220,
359.994

■ 37, 9.187, 358.815

■ 41, 4.306, 357.771

Harmonies

Complementary

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



20, 44.280, 18.703



38, 34.723, 164.499

Rectangle

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



20, 44.280, 18.703



20, 44.280, 68.703



20, 44.280, 198.703



20, 44.280, 248.703

Sweetspot

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



20, 44.278, 18.705



44, 18.068, 0.210



17, 60.980, 317.884



20, 12.276, 0.602



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, 44.278, 18.705



27, 53.856, 20.743



22, 47.498, 42.303



19, 2.621, 357.747



23, 48.319, 19.812



51, 85.539, 23.545

Inverse Universe

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



20, 44.278, 18.705



27, 53.856, 20.743



32, 22.383, 233.010



19, 2.621, 357.747



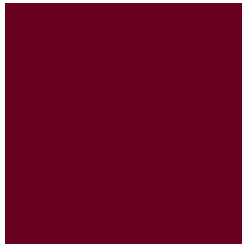
23, 48.319, 19.812



51, 85.539, 23.545

Previews

White Background



This preview shows how the CIE LCh color 20, 44.280, 18.703 looks on a white background.

Color Contrast Check

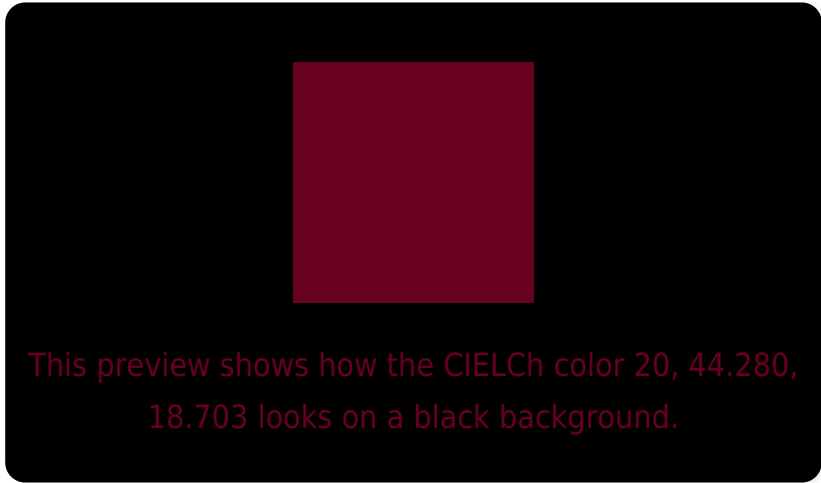
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.280, 18.703

Background



This preview shows how black text looks on a background with the CIELCh color 20, 44.280, 18.703.



This preview shows how white text looks on a background with the CIELCh color 20, 44.280, 18.703.

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, 44.280, 18.703

Protanopia

22, 5.550, 93.600

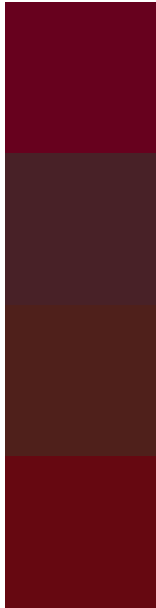
Deuteranopia

22, 18.606, 80.355



Tritanopia
20, 46.620, 35.218

Trichromacy



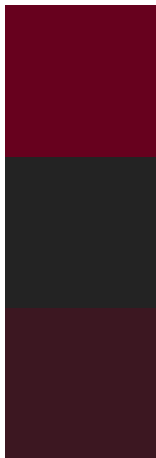
Original Color
20, 44.280, 18.703

Protanomaly
18, 19.830, 13.358

Deuteranomaly
19, 25.838, 33.039

Tritanomaly
20, 45.605, 30.467

Monochromacy



Original Color
20, 44.280, 18.703

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 19.540, 5.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 44.280, 18.703 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(103, 1, 30)` looks like.

```
.text, #text, p{  
    color:rgb(103, 1, 30)  
}
```

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(103, 1, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 1, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 44.280, 18.703 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(103, 1, 30) }
```

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

```
.border{ border-color:rgb(103, 1, 30) }
```

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

Here you see how a box with a 4 pixel rgb(103, 1, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 1, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 1, 30);  
box-shadow:4px 4px 4px 4px rgb(103, 1, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 44.280, 18.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 1, 30) }
```

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

```
.background{ background-color: rgb(103, 1,  
30) }
```

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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