

Converting Colors

CIELCh(20, 14.823, 17.735)

Have a look what the booklet for
CIELCh(20, 14.823, 17.735) contains.

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Color

CIELCh(20, 15.100, 18.013)

Conversions

Conversions Part 1

Format	Color
Hex	46282A
RGB	70, 40, 42
RGB Percent	27%, 16%, 16%
CMY	0.7254, 0.8431, 0.8352
CMYK	0.00, 0.43, 0.40, 0.73
HSL	356°, 27%, 22%
HSV	356°, 43%, 27%
XYZ	3.7050, 2.9891, 2.5739
YIQ	49.1980, 17.2380, 6.9820

Conversions

Conversions Part 2

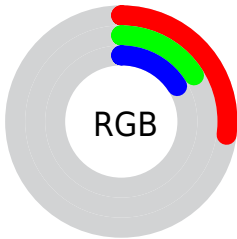
Format	Color
RYB	70, 40, 42
Decimal	4597802
CIELab	20.00, 14.36, 4.67
CIElCh	20, 15.100, 18.013
Yxy	2.9891, 0.3998, 0.3225
Android (android.graphics.Color)	4282787882 (0xFF46282A)
YUV	49.1980, -3.5486, 18.2434
Hunter-Lab	17.2889, 7.9967, 3.2753

Details

The CIELCh color **20, 15.100, 18.013** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **27, 11.958, 191.245**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 15.104, 19.301**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **18, 19.060, 19.649**, and if you desaturate by 10%, it is **22, 11.267, 16.701**.

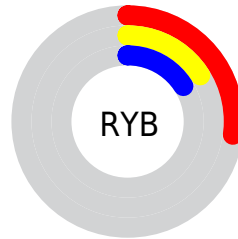
Distribution



Red (27%)

Green (16%)

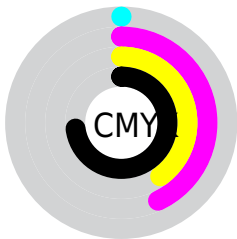
Blue (16%)



Red (27%)

Yellow (16%)

Blue (16%)

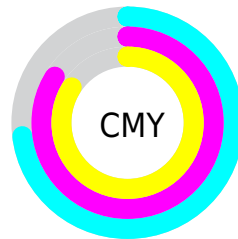


Cyan (0%)

Magenta (43%)

Yellow (40%)

Black (73%)



Cyan (73%)

Magenta (84%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 15.100, 18.013 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, 15.100, 18.013 by changing the saturation by 10% instead.

 20, 15.100, 18.013

 20, 15.100, 18.013

 100, 15.100,
18.013

 10, 15.100, 18.013

 0, 15.100, 18.013

 40, 15.100, 18.013

 50, 15.100, 18.013

 60, 15.100, 18.013

 70, 15.100, 18.013

 80, 15.100, 18.013

 90, 15.100, 18.013

 20, 15.100, 18.013

 20, 15.100, 18.013

18, 19.060, 19.649

22, 11.267, 16.701

16, 23.077, 21.684

24, 7.609, 15.629

15, 27.055, 24.207

27, 4.148, 14.730

13, 30.613, 26.271

29, 0.891, 13.782

12, 33.500, 26.940

31, 2.169, 193.582

11, 35.570, 26.699

34, 5.041, 192.999

36, 7.742, 192.538

39, 10.287,
192.145

41, 12.691,
191.802

Harmonies

Complementary

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



20, 15.100, 18.013



27, 11.958, 191.245

Rectangle

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



20, 15.100, 18.013



20, 15.100, 68.013



20, 15.100, 198.013



20, 15.100, 248.013

Sweetspot

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



20, 15.099, 18.017



35, 5.268, 14.789



21, 23.195, 324.518



16, 3.646, 14.888



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20, 15.099, 18.017



25, 23.043, 19.696



24, 12.399, 63.692



13, 1.805, 14.378



19, 48.064, 32.959



47, 93.081, 37.871

Inverse Universe

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



20, 15.099, 18.017



25, 23.043, 19.696



23, 10.619, 253.940



13, 1.805, 14.378



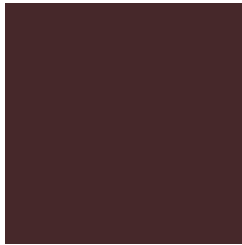
19, 48.064, 32.959



47, 93.081, 37.871

Previews

White Background



This preview shows how the CIE LCh color 20, 15.100, 18.013 looks on a white background.

Color Contrast Check

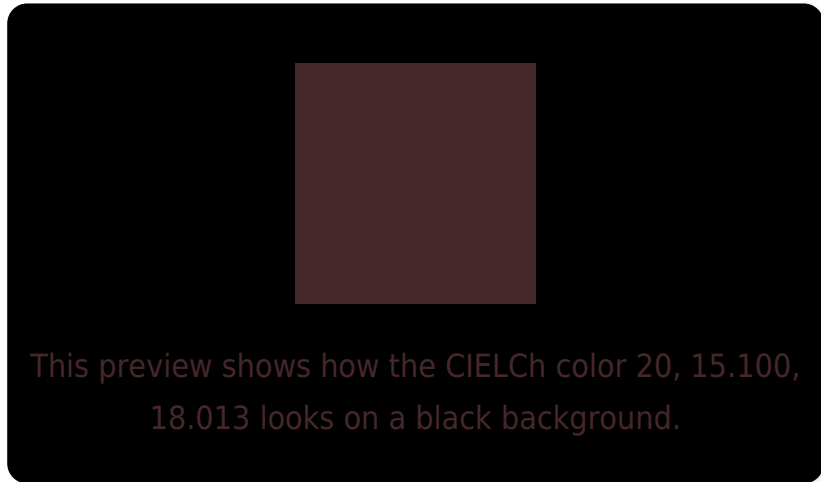
Large Text (above 18pt) WCAG AA ✓ Pass

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

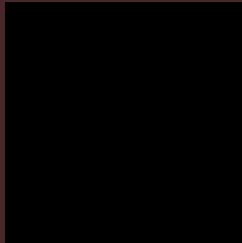
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 15.100, 18.013

Background



This preview shows how black text looks on a background with the CIELCh color 20, 15.100, 18.013.

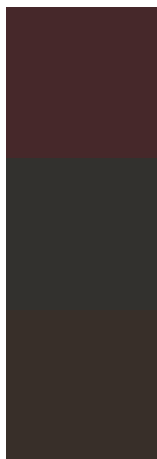


This preview shows how white text looks on a background with the CIELCh color 20, 15.100, 18.013.

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, 15.100, 18.013

Protanopia

20, 2.080, 96.418

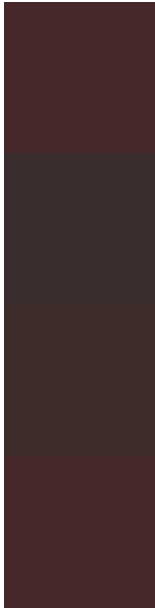
Deuteranopia

20, 6.096, 61.567



Tritanopia
20, 15.057, 15.478

Trichromacy



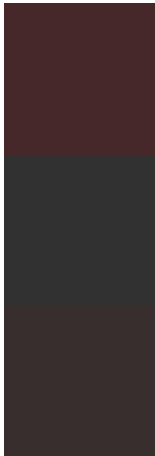
Original Color
20, 15.100, 18.013

Protanomaly
20, 5.429, 27.617

Deuteranomaly
20, 8.862, 34.296

Tritanomaly
20, 15.057, 15.478

Monochromacy



Original Color
20, 15.100, 18.013

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 5.347, 20.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 15.100, 18.013 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(70, 40, 42)` looks like.

```
.text, #text, p{  
    color:rgb(70, 40, 42)  
}
```

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(70, 40, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 40, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 15.100, 18.013 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(70, 40, 42) }
```

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

```
.border{ border-color:rgb(70, 40, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 40, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 40, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 40, 42);  
box-shadow:4px 4px 4px 4px rgb(70, 40, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 15.100, 18.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 40, 42) }
```

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

```
.background{ background-color: rgb(70, 40,  
42) }
```

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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