

Converting Colors

CIELCh(20, 18.398, 14.216)

Have a look what the booklet for
CIELCh(20, 18.398, 14.216) contains.

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Color

CIELCh(20, 18.121, 15.633)

Conversions

Conversions Part 1

Format	Color
Hex	4A262A
RGB	74, 38, 42
RGB Percent	29%, 15%, 16%
CMY	0.7106, 0.8517, 0.8360
CMYK	0.00, 0.49, 0.43, 0.71
HSL	353°, 32%, 22%
HSV	353°, 49%, 29%
XYZ	3.9113, 2.9891, 2.5453
YIQ	49.2200, 20.1720, 8.8760

Conversions

Conversions Part 2

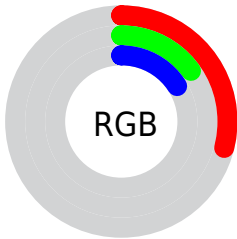
Format	Color
R_{YB}	74, 38, 42
Decimal	4859434
CIE _{Lab}	20.00, 17.45, 4.88
CIE _{LCh}	20, 18.121, 15.633
Yxy	2.9891, 0.4141, 0.3164
Android (android.graphics.Color)	4283049514 (0xFF4A262A)
YUV	49.2200, -3.5595, 21.7321
Hunter-Lab	17.2889, 10.1273, 3.3735

Details

The CIELCh color **20, 18.121, 15.633** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **29, 14.199, 186.686**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 17.836, 16.289**, and **3, 12.529, 17.560** is the 20% darker color. If you saturate the color by 10%, you get **18, 22.192, 17.570**, and if you desaturate by 10%, it is **22, 14.099, 14.073**.

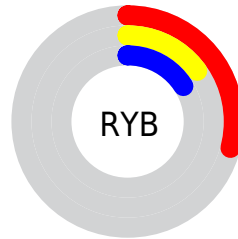
Distribution



Red (29%)

Green (15%)

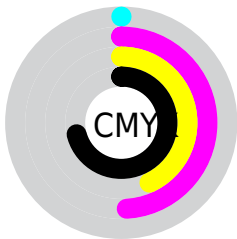
Blue (16%)



Red (29%)

Yellow (15%)

Blue (16%)

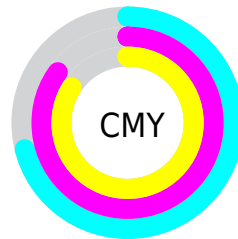


Cyan (0%)

Magenta (49%)

Yellow (43%)

Black (71%)



Cyan (71%)

Magenta (85%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 18.121, 15.633 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, 18.121, 15.633 by changing the saturation by 10% instead.

 20, 18.121, 15.633

 20, 18.121, 15.633

 100, 18.121,
15.633

 10, 18.121, 15.633

 40, 18.121, 15.633

 0, 18.121, 15.633

 50, 18.121, 15.633

 60, 18.121, 15.633

 70, 18.121, 15.633

 80, 18.121, 15.633

 90, 18.121, 15.633

 20, 18.121, 15.633

 20, 18.121, 15.633

18, 22.192, 17.570

22, 14.099, 14.073

16, 26.215, 19.972

24, 10.202, 12.795

15, 30.078, 22.933

27, 6.473, 11.732

14, 33.408, 25.443

29, 2.935, 10.807

13, 36.375, 26.007

32, 0.407, 190.796

12, 36.746, 25.976

34, 3.558, 189.590

37, 6.528, 189.003

39, 9.332, 188.504

42, 11.985,
188.067

Harmonies

Complementary

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



20, 18.121, 15.633



29, 14.199, 186.686

Rectangle

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



20, 18.121, 15.633



20, 18.121, 65.633



20, 18.121, 195.633



20, 18.121, 245.633

Sweetspot

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



20, 18.120, 15.636



36, 6.433, 11.431



21, 27.137, 323.256



17, 4.342, 11.527



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



20, 18.120, 15.636



25, 27.507, 17.909



24, 14.958, 57.858



13, 1.818, 10.789



19, 47.222, 31.078



47, 90.836, 35.873

Inverse Universe

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



20, 18.120, 15.636



25, 27.507, 17.909



24, 11.981, 248.649



13, 1.818, 10.789



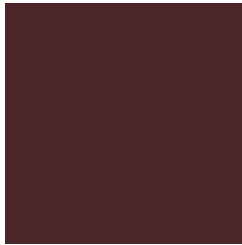
19, 47.222, 31.078



47, 90.836, 35.873

Previews

White Background



This preview shows how the CIELCh color 20, 18.121, 15.633 looks on a white background.

Color Contrast Check

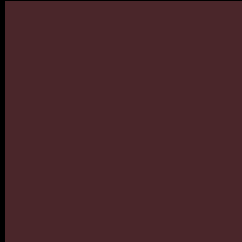
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.121, 15.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

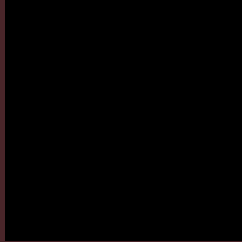
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 18.121, 15.633

Background



This preview shows how black text looks on a background with the CIELCh color 20, 18.121, 15.633.

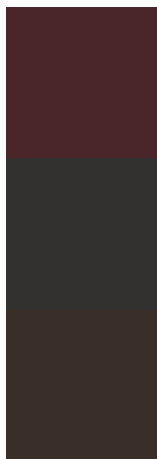


This preview shows how white text looks on a background with the CIELCh color 20, 18.121, 15.633.

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, 18.121, 15.633

Protanopia

20, 0.818, 74.847

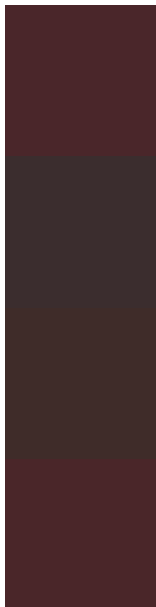
Deuteranopia

20, 6.964, 62.631



Tritanopia
20, 18.177, 17.735

Trichromacy



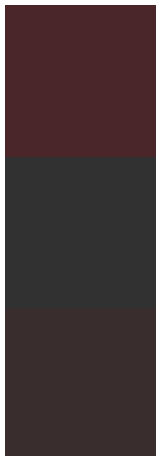
Original Color
20, 18.121, 15.633

Protanomaly
20, 6.854, 15.265

Deuteranomaly
20, 9.878, 33.118

Tritanomaly
20, 18.177, 17.735

Monochromacy



Original Color
20, 18.121, 15.633

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 6.358, 14.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 18.121, 15.633 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(74, 38, 42)` looks like.

```
.text, #text, p{  
    color:rgb(74, 38, 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(74, 38, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 38, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 18.121, 15.633 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(74, 38, 42) }
```

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

```
.border{ border-color:rgb(74, 38, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 38, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 38, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 38, 42);  
box-shadow:4px 4px 4px 4px rgb(74, 38, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 18.121, 15.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 38, 42) }
```

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

```
.background{ background-color: rgb(74, 38,  
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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