

Converting Colors

CIELCh(20, 29.914, 15.128)

Have a look what the booklet for
CIELCh(20, 29.914, 15.128) contains.

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Color

CIELCh(20, 30.122, 15.367)

Conversions

Conversions Part 1

Format	Color
Hex	581B26
RGB	88, 27, 38
RGB Percent	35%, 11%, 15%
CMY	0.6553, 0.8945, 0.8513
CMYK	0.00, 0.69, 0.57, 0.66
HSL	349°, 53%, 23%
HSV	349°, 69%, 34%
XYZ	4.7536, 2.9891, 2.1535
YIQ	46.4930, 32.8250, 16.3530

Conversions

Conversions Part 2

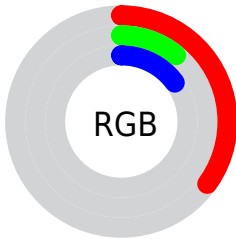
Format	Color
RYB	88, 27, 38
Decimal	5774118
CIELab	20.00, 29.05, 7.98
CIElCh	20, 30.122, 15.367
Yxy	2.9891, 0.4803, 0.3020
Android (android.graphics.Color)	4283964198 (0xFF581B26)
YUV	46.4930, -4.1870, 36.4016
Hunter-Lab	17.2889, 18.8231, 4.7172

Details

The CIELCh color **20, 30.122, 15.367** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 22.371, 178.255**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 29.748, 15.220**, and **4, 20.959, 18.495** is the 20% darker color. If you saturate the color by 10%, you get **18, 34.152, 18.569**, and if you desaturate by 10%, it is **22, 25.770, 12.790**.

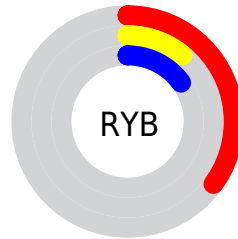
Distribution



Red (35%)

Green (11%)

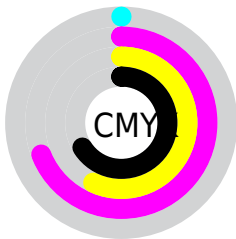
Blue (15%)



Red (35%)

Yellow (11%)

Blue (15%)

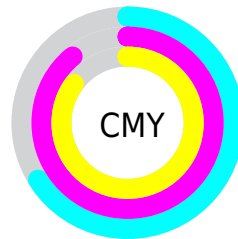


Cyan (0%)

Magenta (69%)

Yellow (57%)

Black (66%)



Cyan (66%)

Magenta (89%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 30.122, 15.367 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, 30.122, 15.367 by changing the saturation by 10% instead.

 20, 30.122, 15.367

 20, 30.122, 15.367

 100, 30.122,
15.367

 10, 30.122, 15.367

 0, 30.122, 15.367

 40, 30.122, 15.367

 50, 30.122, 15.367

 60, 30.122, 15.367

 70, 30.122, 15.367

 80, 30.122, 15.367

 90, 30.122, 15.367

 20, 30.122, 15.367

 20, 30.122, 15.367

18, 34.152, 18.569

22, 25.770, 12.790

17, 37.757, 22.459

24, 21.248, 10.715

16, 41.264, 25.601

27, 16.692, 9.031

16, 41.475, 25.715

29, 12.208, 7.645

32, 7.869, 6.481

35, 3.715, 5.466

38, 0.236, 185.909

40, 3.984, 184.045

43, 7.535, 183.368

Harmonies

Complementary

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



20, 30.122, 15.367



33, 22.371, 178.255

Rectangle

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



20, 30.122, 15.367



20, 30.122, 65.367



20, 30.122, 195.367



20, 30.122, 245.367

Sweetspot

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



20, 30.120, 15.369



41, 10.682, 6.735



20, 42.539, 321.801



20, 7.316, 6.926



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



20, 30.120, 15.369



24, 44.012, 20.972



24, 26.747, 50.285



16, 2.188, 5.405



21, 48.436, 27.872



49, 89.116, 31.750

Inverse Universe

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



20, 30.120, 15.369



24, 44.012, 20.972



27, 17.537, 244.272



16, 2.188, 5.405



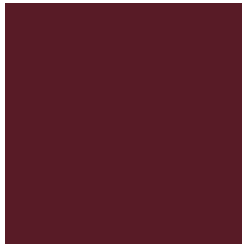
21, 48.436, 27.872



49, 89.116, 31.750

Previews

White Background



This preview shows how the CIELCh color 20, 30.122, 15.367 looks on a white background.

Color Contrast Check

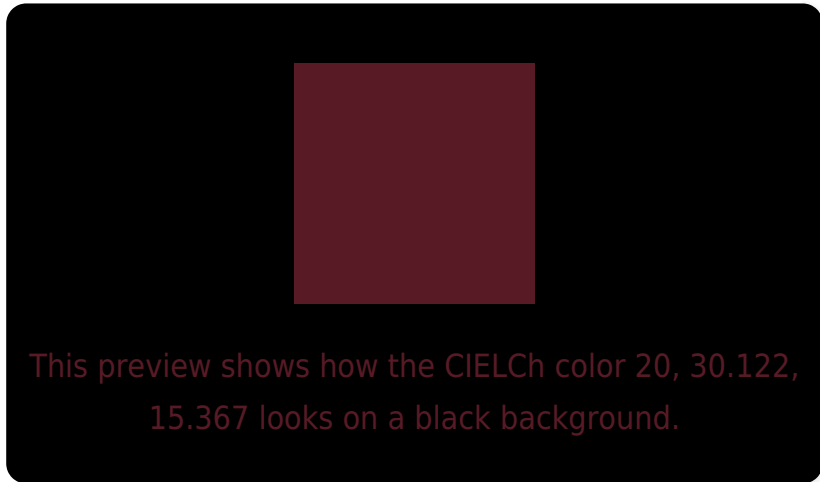
Large Text (above 18pt) WCAG AA ✓ Pass

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

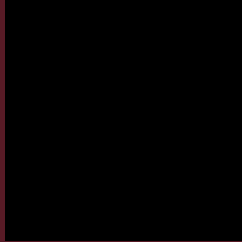
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 30.122, 15.367

Background



This preview shows how black text looks on a background with the CIELCh color 20, 30.122, 15.367.



This preview shows how white text looks on a background with the CIELCh color 20, 30.122, 15.367.

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, 30.122, 15.367

Protanopia

21, 0.939, 19.376

Deuteranopia

21, 10.541, 75.259



Tritanopia
20, 30.483, 25.791

Trichromacy



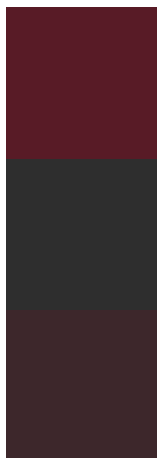
Original Color
20, 30.122, 15.367

Protanomaly
19, 11.573, 8.778

Deuteranomaly
20, 16.017, 32.423

Tritanomaly
20, 29.901, 22.139

Monochromacy



Original Color
20, 30.122, 15.367

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 11.166, 8.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 30.122, 15.367 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(88, 27, 38)` looks like.

```
.text, #text, p{  
    color:rgb(88, 27, 38)  
}
```

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(88, 27, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 27, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 30.122, 15.367 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(88, 27, 38) }
```

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

```
.border{ border-color:rgb(88, 27, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 27, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 27, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 27, 38);  
box-shadow:4px 4px 4px 4px rgb(88, 27, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 30.122, 15.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 27, 38) }
```

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

```
.background{ background-color: rgb(88, 27,  
38) }
```

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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