

Converting Colors

CIELCh(20, 29.737, 2.212)

Have a look what the booklet for
CIELCh(20, 29.737, 2.212) contains.

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Color

CIELCh(20, 29.783, 2.077)

Conversions

Conversions Part 1

Format	Color
Hex	571B30
RGB	87, 27, 48
RGB Percent	34%, 11%, 19%
CMY	0.6602, 0.8954, 0.8129
CMYK	0.00, 0.69, 0.45, 0.66
HSL	339°, 53%, 22%
HSV	339°, 69%, 34%
XYZ	4.8094, 2.9891, 3.0877
YIQ	47.3340, 29.0190, 19.2510

Conversions

Conversions Part 2

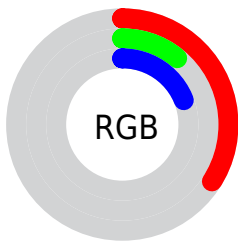
Format	Color
R_YB	87, 27, 48
Decimal	5708592
CIE Lab	20.00, 29.76, 1.08
CIE LCh	20, 29.783, 2.077
Yxy	2.9891, 0.4418, 0.2746
Android (android.graphics.Color)	4283898672 (0xFF571B30)
YUV	47.3340, 0.3283, 34.7871
Hunter-Lab	17.2889, 19.3995, 1.5133

Details

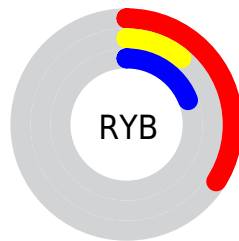
The CIELCh color **20, 29.783, 2.077** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 25.818, 165.048**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 29.768, 2.260**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.131, 4.789**, and if you desaturate by 10%, it is **22, 25.891, 359.893**.

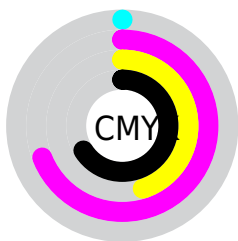
Distribution



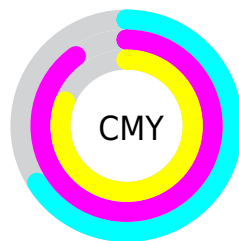
- Red (34%)
- Green (11%)
- Blue (19%)



- Red (34%)
- Yellow (11%)
- Blue (19%)



- Cyan (0%)
- Magenta (69%)
- Yellow (45%)
- Black (66%)



- Cyan (66%)
- Magenta (90%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 29.783, 2.077 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, 29.783, 2.077 by changing the saturation by 10% instead.

 20, 29.783, 2.077

 20, 29.783, 2.077

 100, 29.783, 2.077

 10, 29.783, 2.077

 40, 29.783, 2.077

 0, 29.783, 2.077

 50, 29.783, 2.077

 60, 29.783, 2.077

 70, 29.783, 2.077

 80, 29.783, 2.077

 90, 29.783, 2.077

 20, 29.783, 2.077

 20, 29.783, 2.077

 18, 33.131, 4.789

 22, 25.891,

17, 35.801, 8.159	359.893
16, 38.416, 11.553	24, 21.640, 358.106
16, 38.640, 11.797	26, 17.199, 356.618
	29, 12.703, 355.353
	32, 8.247, 354.256
	34, 3.894, 353.269
	37, 0.322, 173.268
	40, 4.383, 171.784
	43, 8.285, 171.067

Harmonies

Complementary

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



20, 29.783, 2.077



33, 25.818, 165.048

Rectangle

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



20, 29.783, 2.077



20, 29.783, 52.077



20, 29.783, 182.077



20, 29.783, 232.077

Sweetspot

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



20, 29.781, 2.079



40, 11.194, 354.514



18, 41.614, 316.147



19, 7.510, 354.680



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



20, 29.781, 2.079



24, 41.880, 6.899



21, 28.987, 36.108



16, 2.364, 353.227



21, 44.955, 13.387



50, 80.917, 17.346

Inverse Universe

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



20, 29.781, 2.079



24, 41.880, 6.899



31, 17.254, 214.602



16, 2.364, 353.227



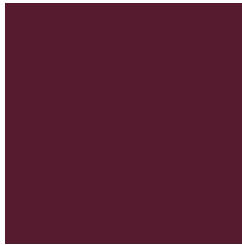
21, 44.955, 13.387



50, 80.917, 17.346

Previews

White Background



This preview shows how the CIELCh color 20, 29.783, 2.077 looks on a white background.

Color Contrast Check

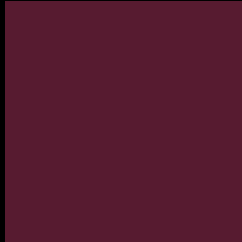
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.783, 2.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

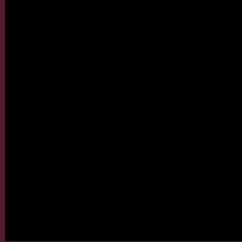
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 29.783, 2.077

Background



This preview shows how black text looks on a background with the CIELCh color 20, 29.783, 2.077.



This preview shows how white text looks on a background with the CIELCh color 20, 29.783, 2.077.

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, 29.783, 2.077

Protanopia

21, 8.166, 286.113

Deuteranopia

21, 4.409, 47.297



Tritanopia
20, 28.852, 24.936

Trichromacy



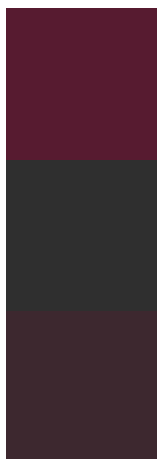
Original Color
20, 29.783, 2.077

Protanomaly
19, 13.633, 334.263

Deuteranomaly
20, 13.706, 5.777

Tritanomaly
20, 28.381, 16.191

Monochromacy



Original Color
20, 29.783, 2.077

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 11.130, 356.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 29.783, 2.077 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(87, 27, 48)` looks like.

```
.text, #text, p{  
    color:rgb(87, 27, 48)  
}
```

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(87, 27, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 27, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 29.783, 2.077 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(87, 27, 48) }
```

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

```
.border{ border-color:rgb(87, 27, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 27, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 27, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 27, 48);  
box-shadow:4px 4px 4px 4px rgb(87, 27, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 29.783, 2.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 27, 48) }
```

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

```
.background{ background-color: rgb(87, 27,  
48) }
```

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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