

Converting Colors

CIELCh(20, 31.054, 28.185)

Have a look what the booklet for
CIELCh(20, 31.054, 28.185) contains.

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Color

CIELCh(20, 31.432, 28.248)

Conversions

Conversions Part 1

Format	Color
Hex	581C1C
RGB	88, 28, 28
RGB Percent	35%, 11%, 11%
CMY	0.6549, 0.8902, 0.8902
CMYK	0.00, 0.68, 0.68, 0.65
HSL	0°, 52%, 23%
HSV	0°, 68%, 35%
XYZ	4.6494, 2.9891, 1.4305
YIQ	45.9400, 35.7600, 12.7200

Conversions

Conversions Part 2

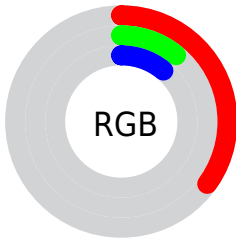
Format	Color
RYB	88, 28, 28
Decimal	5774364
CIELab	20.00, 27.69, 14.88
CIELCh	20, 31.432, 28.248
Yxy	2.9891, 0.5127, 0.3296
Android (android.graphics.Color)	4283964444 (0xFF581C1C)
YUV	45.9400, -8.8444, 36.8866
Hunter-Lab	17.2889, 17.7470, 7.1965

Details

The CIELCh color **20, 31.432, 28.248** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 19.604, 196.828**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 31.594, 28.511**, and **4, 20.176, 18.348** is the 20% darker color. If you saturate the color by 10%, you get **18, 36.463, 31.079**, and if you desaturate by 10%, it is **22, 26.290, 25.904**.

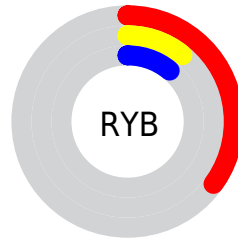
Distribution



Red (35%)

Green (11%)

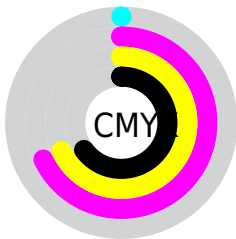
Blue (11%)



Red (35%)

Yellow (11%)

Blue (11%)

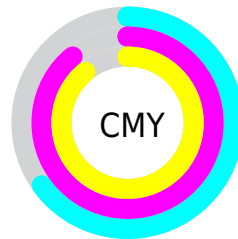


Cyan (0%)

Magenta (68%)

Yellow (68%)

Black (65%)



Cyan (65%)

Magenta (89%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 31.432, 28.248 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, 31.432, 28.248 by changing the saturation by 10% instead.

 20, 31.432, 28.248

 20, 31.432, 28.248

 100, 31.432,
28.248

 10, 31.432, 28.248

 40, 31.432, 28.248

 0, 31.432, 28.248

 50, 31.432, 28.248

 60, 31.432, 28.248

 70, 31.432, 28.248

 80, 31.432, 28.248

 90, 31.432, 28.248

 20, 31.432, 28.248

 20, 31.432, 28.248

18, 36.463, 31.079

22, 26.290, 25.904

17, 40.489, 32.843

24, 21.208, 24.041

16, 43.763, 33.680

27, 16.296, 22.582

16, 44.374, 33.786

29, 11.627, 21.440

32, 7.239, 20.536

35, 3.141, 19.782

38, 0.673, 199.778

41, 4.221, 198.952

44, 7.527, 198.561

Harmonies

Complementary

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



20, 31.432, 28.248



34, 19.604, 196.828

Rectangle

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



20, 31.432, 28.248



20, 31.432, 78.248



20, 31.432, 208.248



20, 31.432, 258.248

Sweetspot

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



20, 31.431, 28.251



41, 10.000, 20.742



22, 42.714, 327.540



20, 6.921, 20.898



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, 31.431, 28.251



24, 47.735, 33.210



27, 25.613, 67.486



16, 2.127, 19.825



21, 52.681, 36.574



49, 98.181, 40.001

Inverse Universe

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



34, 19.604, 196.828



44, 26.251, 196.553



24, 21.370, 268.901



17, 2.022, 199.065



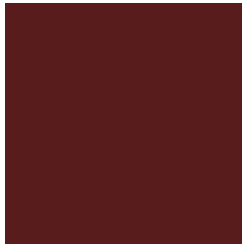
41, 26.466, 196.395



85, 47.047, 196.395

Previews

White Background



This preview shows how the CIELCh color 20, 31.432, 28.248 looks on a white background.

Color Contrast Check

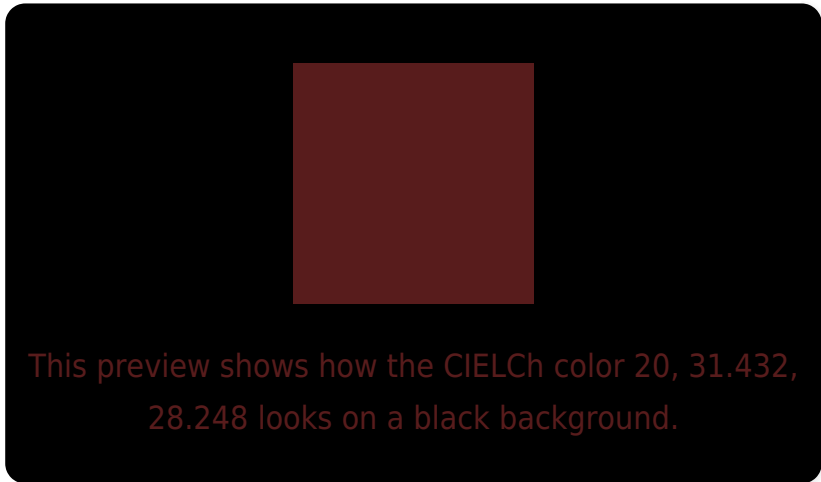
Large Text (above 18pt) WCAG AA ✓ Pass

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

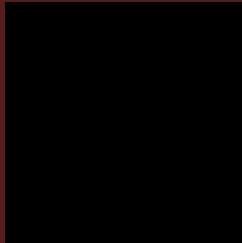
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 31.432, 28.248

Background



This preview shows how black text looks on a background with the CIELCh color 20, 31.432, 28.248.

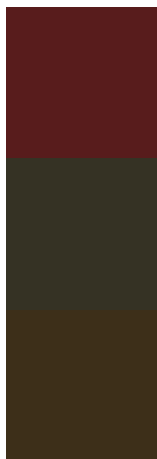


This preview shows how white text looks on a background with the CIELCh color 20, 31.432, 28.248.

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, 31.432, 28.248

Protanopia

21, 9.523, 98.699

Deuteranopia

20, 16.752, 79.532



Tritanopia
20, 31.192, 27.113

Trichromacy



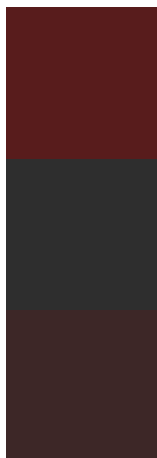
Original Color
20, 31.432, 28.248

Protanomaly
20, 14.359, 46.499

Deuteranomaly
20, 19.994, 49.959

Tritanomaly
20, 31.192, 27.113

Monochromacy



Original Color
20, 31.432, 28.248

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 11.191, 22.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 31.432, 28.248 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, 28, 28)` looks like.

```
.text, #text, p{  
    color:rgb(88, 28, 28)  
}
```

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, 28, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 28, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 31.432, 28.248 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, 28, 28) }
```

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

```
.border{ border-color:rgb(88, 28, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 28, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 28, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 28, 28);  
box-shadow:4px 4px 4px 4px rgb(88, 28, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 31.432, 28.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 28, 28) }
```

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

```
.background{ background-color: rgb(88, 28,  
28) }
```

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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