

Converting Colors

CIELCh(18, 31.251, 2.413)

Have a look what the booklet for
CIELCh(18, 31.251, 2.413) contains.

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Color

CIELCh(18, 31.080, 2.567)

Conversions

Conversions Part 1

Format	Color
Hex	53142B
RGB	83, 20, 43
RGB Percent	33%, 8%, 17%
CMY	0.6743, 0.9214, 0.8312
CMYK	0.00, 0.76, 0.48, 0.67
HSL	338°, 61%, 20%
HSV	338°, 76%, 33%
XYZ	4.2595, 2.5180, 2.5510
YIQ	41.4590, 30.1650, 20.5090

Conversions

Conversions Part 2

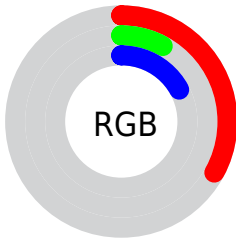
Format	Color
RYB	83, 20, 43
Decimal	5444651
CIELab	18.00, 31.05, 1.39
CIELCh	18, 31.080, 2.567
Yxy	2.5180, 0.4566, 0.2699
Android (android.graphics.Color)	4283634731 (0xFF53142B)
YUV	41.4590, 0.7597, 36.4315
Hunter-Lab	15.8683, 20.1450, 1.5763

Details

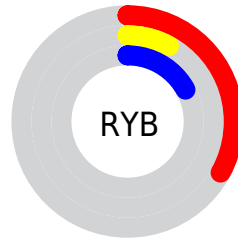
The CIELCh color **18, 31.080, 2.567** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 27.118, 163.151**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 31.338, 2.776**, and **3, 16.126, 17.972** is the 20% darker color. If you saturate the color by 10%, you get **17, 33.872, 5.583**, and if you desaturate by 10%, it is **20, 27.655, 0.143**.

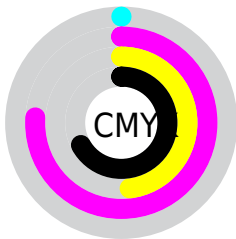
Distribution



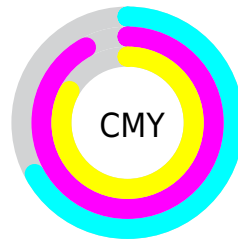
- Red (33%)
- Green (8%)
- Blue (17%)



- Red (33%)
- Yellow (8%)
- Blue (17%)



- Cyan (0%)
- Magenta (76%)
- Yellow (48%)
- Black (67%)



- Cyan (67%)
- Magenta (92%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 31.080, 2.567 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 18, 31.080, 2.567 by changing the saturation by 10% instead.

 18, 31.080, 2.567  18, 31.080, 2.567

 100, 31.080, 2.567  8, 31.080, 2.567

 38, 31.080, 2.567  0, 31.080, 2.567

 48, 31.080, 2.567

 58, 31.080, 2.567

 68, 31.080, 2.567

 78, 31.080, 2.567

 88, 31.080, 2.567

 98, 31.080, 2.567

 18, 31.080, 2.567  18, 31.080, 2.567

17, 33.872, 5.583

20, 27.655, 0.143

16, 36.310, 8.921

22, 23.760,
358.174

15, 37.436, 10.171

24, 19.571,
356.548

26, 15.239,
355.179

29, 10.884,
354.004

31, 6.586, 352.970

34, 2.395, 352.006

36, 1.661, 171.446

39, 5.568, 170.616

Harmonies

Complementary

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



18, 31.080, 2.567



31, 27.118, 163.151

Rectangle

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



18, 31.080, 2.567



18, 31.080, 52.567



18, 31.080, 182.567



18, 31.080, 232.567

Sweetspot

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



18, 31.078, 2.569



38, 11.916, 353.778



16, 43.503, 316.239



17, 8.172, 354.013



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 31.078, 2.569



22, 42.531, 8.586



19, 31.176, 37.021



15, 2.263, 352.285



21, 44.055, 11.910



49, 79.845, 15.938

Inverse Universe

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



18, 31.078, 2.569



22, 42.531, 8.586



29, 17.531, 215.301



15, 2.263, 352.285



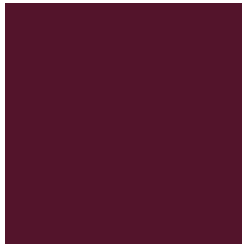
21, 44.055, 11.910



49, 79.845, 15.938

Previews

White Background



This preview shows how the CIELCh color 18, 31.080, 2.567 looks on a white background.

Color Contrast Check

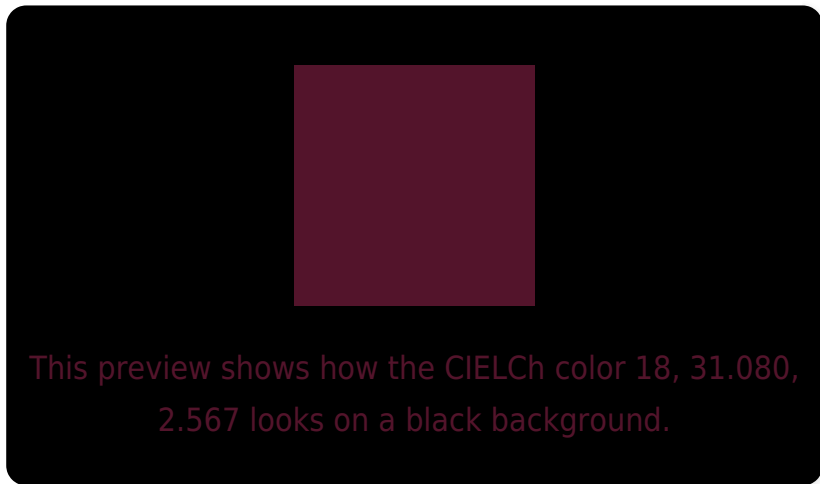
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 31.080, 2.567

Background



This preview shows how black text looks on a background with the CIELCh color 18, 31.080, 2.567.



This preview shows how white text looks on a background with the CIELCh color 18, 31.080, 2.567.

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

18, 31.080, 2.567

Protanopia

19, 8.272, 286.277

Deuteranopia

19, 4.859, 54.172



Tritanopia
18, 30.352, 26.385

Trichromacy



Original Color
18, 31.080, 2.567

Protanomaly
18, 14.867, 335.502

Deuteranomaly
18, 14.410, 6.913

Tritanomaly
18, 29.642, 18.071

Monochromacy



Original Color
18, 31.080, 2.567

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 12.455, 356.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 31.080, 2.567 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(83, 20, 43)` looks like.

```
.text, #text, p{  
    color:rgb(83, 20, 43)  
}
```

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(83, 20, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 20, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 31.080, 2.567 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(83, 20, 43) }
```

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

```
.border{ border-color:rgb(83, 20, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 20, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 20, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 20, 43);  
box-shadow:4px 4px 4px 4px rgb(83, 20, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 31.080, 2.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 20, 43) }
```

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

```
.background{ background-color: rgb(83, 20,  
43) }
```

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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