

Converting Colors

CIELCh(18, 31.214, 0.336)

Have a look what the booklet for
CIELCh(18, 31.214, 0.336) contains.

CIELCh(18, 31.279, 0.115)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(18, 31.279, 0.115)

Conversions

Conversions Part 1

Format	Color
Hex	53142D
RGB	83, 20, 45
RGB Percent	33%, 8%, 18%
CMY	0.6750, 0.9220, 0.8239
CMYK	0.00, 0.76, 0.46, 0.67
HSL	336°, 61%, 20%
HSV	336°, 76%, 33%
XYZ	4.2761, 2.5180, 2.7329
YIQ	41.6870, 29.5230, 21.1310

Conversions

Conversions Part 2

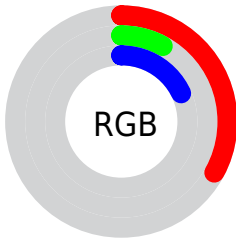
Format	Color
R_{YB}	83, 20, 45
Decimal	5444653
CIE _{Lab}	18.00, 31.28, 0.06
CIE _{LCh}	18, 31.279, 0.115
Yxy	2.5180, 0.4488, 0.2643
Android (android.graphics.Color)	4283634733 (0xFF53142D)
YUV	41.6870, 1.6333, 36.2315
Hunter-Lab	15.8683, 20.3315, 0.8966




Details

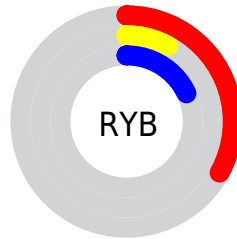
The CIELCh color **18, 31.279, 0.115** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 27.987, 161.084**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 31.572, 0.628**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **17, 33.964, 2.971**, and if you desaturate by 10%, it is **20, 27.919, 357.817**.

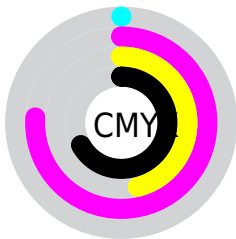
Distribution







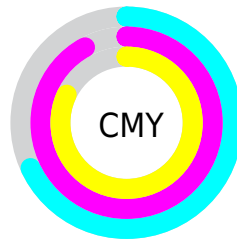
-  Red (33%)
-  Green (8%)
-  Blue (18%)






-  Red (33%)
-  Yellow (8%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (76%)
-  Yellow (46%)
-  Black (67%)



-  Cyan (68%)
-  Magenta (92%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 31.279, 0.115 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, 31.279, 0.115 by changing the saturation by 10% instead.

 18, 31.279, 0.115  18, 31.279, 0.115

 100, 31.279, 0.115  8, 31.279, 0.115

 38, 31.279, 0.115  0, 31.279, 0.115

 48, 31.279, 0.115

 58, 31.279, 0.115

 68, 31.279, 0.115

 78, 31.279, 0.115

 88, 31.279, 0.115

 98, 31.279, 0.115

 18, 31.279, 0.115  18, 31.279, 0.115

17, 33.964, 2.971

20, 27.919,
357.817

16, 36.274, 6.128

22, 24.056,
355.943

15, 37.301, 7.272

24, 19.868,
354.388

26, 15.515,
353.071

29, 11.118,
351.934

31, 6.763, 350.928

34, 2.504, 349.987

36, 1.628, 169.432

39, 5.618, 168.610

Harmonies

Complementary

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



18, 31.279, 0.115



31, 27.987, 161.084

Rectangle

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



18, 31.279, 0.115



18, 31.279, 50.115



18, 31.279, 180.115



18, 31.279, 230.115

Sweetspot

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



18, 31.277, 0.116



38, 12.120, 351.699



16, 43.529, 315.259



17, 8.310, 351.926



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, 31.277, 0.116



22, 42.529, 5.772



18, 31.807, 35.127



15, 2.306, 350.244



21, 43.877, 8.940



49, 79.150, 12.801

Inverse Universe

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



18, 31.277, 0.116



22, 42.529, 5.772



29, 17.940, 210.169



15, 2.306, 350.244



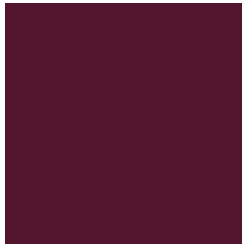
21, 43.877, 8.940



49, 79.150, 12.801

Previews

White Background



This preview shows how the CIE LCh color 18, 31.279, 0.115 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, 31.279, 0.115

Background



This preview shows how black text looks on a background with the CIELCh color 18, 31.279, 0.115.



This preview shows how white text looks on a background with the CIELCh color 18, 31.279, 0.115.

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, 31.279, 0.115

Protanopia

19, 10.346, 285.793

Deuteranopia

19, 4.179, 39.174



Tritanopia
18, 30.009, 27.224

Trichromacy



Original Color
18, 31.279, 0.115

Protanomaly
17, 16.081, 328.954

Deuteranomaly
18, 14.645, 1.636

Tritanomaly
18, 29.526, 16.767

Monochromacy



Original Color
18, 31.279, 0.115

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 12.699, 353.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 31.279, 0.115 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(83, 20, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 20, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 31.279, 0.115 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, 45) }
```

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

```
.border{ border-color:rgb(83, 20, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 20, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 20, 45);  
box-shadow:4px 4px 4px 4px rgb(83, 20, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 31.279, 0.115 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, 45) }
```

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

```
.background{ background-color: rgb(83, 20,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor