

Converting Colors

CIELCh(18, 31.495, 325.522)

Have a look what the booklet for
CIELCh(18, 31.495, 325.522)
contains.

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Color

CIELCh(18, 31.815, 325.730)

Conversions

Conversions Part 1

Format	Color
Hex	441C46
RGB	68, 28, 70
RGB Percent	27%, 11%, 27%
CMY	0.7326, 0.8895, 0.7248
CMYK	0.03, 0.60, 0.00, 0.72
HSL	297°, 43%, 19%
HSV	297°, 60%, 28%
XYZ	3.9263, 2.5180, 6.1018
YIQ	44.7480, 10.3580, 21.5420

Conversions

Conversions Part 2

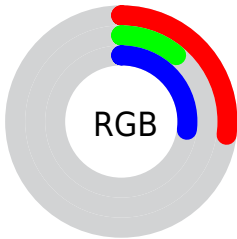
Format	Color
RYB	68, 28, 70
Decimal	4463686
CIELab	18.00, 26.29, -17.91
CIElCh	18, 31.815, 325.730
Yxy	2.5180, 0.3130, 0.2007
Android (android.graphics.Color)	4282653766 (0xFF441C46)
YUV	44.7480, 12.4492, 20.3920
Hunter-Lab	15.8683, 16.3970, -11.6908

Details

The CIELCh color **18, 31.815, 325.730** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 31.877, 139.086**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 32.127, 325.732**, and **2, 16.597, 318.367** is the 20% darker color. If you saturate the color by 10%, you get **17, 36.156, 326.031**, and if you desaturate by 10%, it is **20, 26.960, 325.369**.

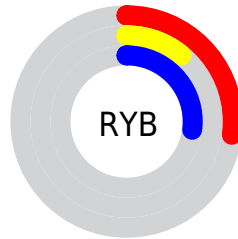
Distribution



Red (27%)

Green (11%)

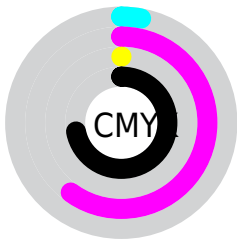
Blue (27%)



Red (27%)

Yellow (11%)

Blue (27%)

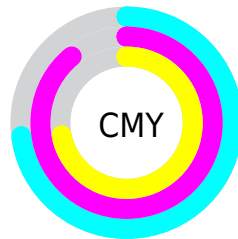


Cyan (3%)

Magenta (60%)

Yellow (0%)

Black (72%)



Cyan (73%)


Magenta (89%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 31.815, 325.730 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, 31.815, 325.730 by changing the saturation by 10% instead.

 18, 31.815,
325.730


 18, 31.815,
325.730


 100, 31.815,
325.730


 8, 31.815, 325.730


 38, 31.815,
325.730

 0, 31.815, 325.730

 48, 31.815,
325.730


 58, 31.815,
325.730


 68, 31.815,
325.730


 78, 31.815,
325.730


 88, 31.815,


325.730


 98, 31.815,
325.730


 18, 31.815,
325.730


 18, 31.815,
325.730


 17, 36.156,
326.031


 20, 26.960,
325.369


 15, 39.811,
326.255


 21, 21.760,
324.962

 14, 42.724,
326.401

 23, 16.358,
324.525

 13, 45.683,
326.558

 26, 10.866,
324.068

 13, 45.726,
326.560

 28, 5.370, 323.598

■ 30, 0.072, 144.794

■ 32, 5.420, 142.737

■ 34, 10.649,
142.293

■ 37, 15.745,
141.873

Harmonies

Complementary

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



18, 31.815, 325.730



26, 31.877, 139.086

Rectangle

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



18, 31.815, 325.730



18, 31.815, 15.730



18, 31.815, 145.730



18, 31.815, 195.730

Sweetspot

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



18, 31.814, 325.730



34, 12.304, 324.016



13, 28.412, 296.337



16, 8.429, 324.085



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 31.814, 325.730



22, 45.758, 326.155



17, 23.980, 346.474



13, 3.077, 323.538



21, 58.065, 326.475



52, 106.087, 326.345

Inverse Universe

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



17, 22.037, 22.434



20, 33.808, 26.166



26, 23.081, 155.453



13, 1.802, 15.927



19, 48.437, 33.738



47, 93.873, 38.527

Previews

White Background



This preview shows how the CIE LCh color 18, 31.815, 325.730 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 18, 31.815, 325.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

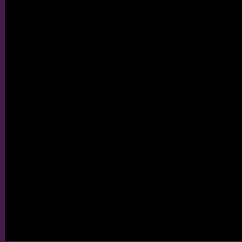
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 31.815, 325.730

Background



This preview shows how black text looks on a background with the CIELCh color 18, 31.815, 325.730.



This preview shows how white text looks on a background with the CIELCh color 18, 31.815, 325.730.

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, 31.815, 325.730

Protanopia

18, 27.714, 284.292

Deuteranopia

19, 15.412, 279.876



Tritanopia
18, 13.737, 17.259

Trichromacy



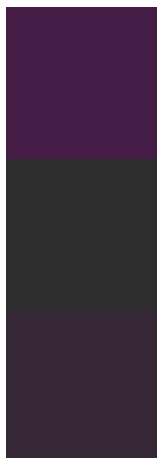
Original Color
18, 31.815, 325.730

Protanomaly
17, 28.377, 297.513

Deuteranomaly
18, 20.373, 303.714

Tritanomaly
18, 18.224, 347.978

Monochromacy



Original Color
18, 31.815, 325.730

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.157, 323.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 31.815, 325.730 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(68, 28, 70)` looks like.

```
.text, #text, p{  
    color:rgb(68, 28, 70)  
}
```

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(68, 28, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 28, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 31.815, 325.730 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(68, 28, 70) }
```

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

```
.border{ border-color:rgb(68, 28, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 28, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 28, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 28, 70);  
box-shadow:4px 4px 4px 4px rgb(68, 28, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 31.815, 325.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 28, 70) }
```

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

```
.background{ background-color: rgb(68, 28,  
70) }
```

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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