

Converting Colors

CIELCh(17, 32.168, 315.961)

Have a look what the booklet for
CIELCh(17, 32.168, 315.961)
contains.

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Color

CIELCh(17, 31.748, 315.950)

Conversions

Conversions Part 1

Format	Color
Hex	3A1E4A
RGB	58, 30, 74
RGB Percent	23%, 12%, 29%
CMY	0.7734, 0.8832, 0.7107
CMYK	0.22, 0.60, 0.00, 0.71
HSL	278°, 42%, 20%
HSV	278°, 60%, 29%
XYZ	3.4194, 2.3023, 6.7029
YIQ	43.3880, 2.5640, 19.6200

Conversions

Conversions Part 2

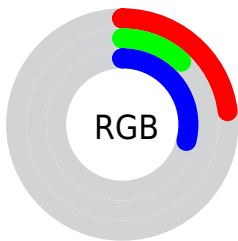
Format	Color
R_{YB}	58, 30, 74
Decimal	3808842
CIE _{Lab}	17.00, 22.82, -22.07
CIE _{LCh}	17, 31.748, 315.950
Yxy	2.3023, 0.2752, 0.1853
Android (android.graphics.Color)	4281998922 (0xFF3A1E4A)
YUV	43.3880, 15.0917, 12.8147
Hunter-Lab	15.1734, 13.6724, -15.5702

Details

The CIELCh color **17, 31.748, 315.950** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 30.178, 131.135**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 31.907, 316.276**, and **1, 17.098, 297.069** is the 20% darker color. If you saturate the color by 10%, you get **15, 36.698, 316.210**, and if you desaturate by 10%, it is **19, 26.499, 315.610**.

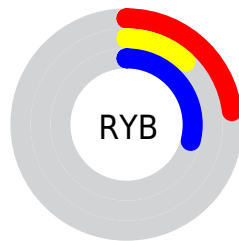
Distribution



Red (23%)

Green (12%)

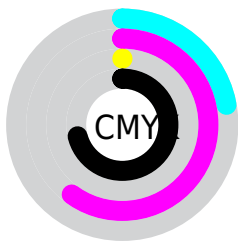
Blue (29%)



Red (23%)

Yellow (12%)

Blue (29%)

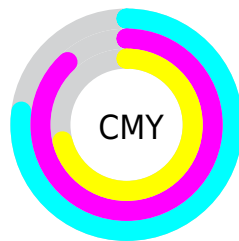


Cyan (22%)

Magenta (60%)

Yellow (0%)

Black (71%)



Cyan (77%)

Magenta (88%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 31.748, 315.950 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 17, 31.748, 315.950 by changing the saturation by 10% instead.

■ 17, 31.748,
315.950

■ 17, 31.748,
315.950

■ 100, 31.748,
315.950

■ 7, 31.748, 315.950

■ 37, 31.748,
315.950

■ 0, 31.748, 315.950

■ 47, 31.748,
315.950


■ 57, 31.748,
315.950


■ 67, 31.748,
315.950


■ 77, 31.748,
315.950


■ 87, 31.748,


315.950


 97, 31.748,
315.950


 17, 31.748,
315.950


 17, 31.748,
315.950


 15, 36.698,
316.210


 19, 26.499,
315.610


 13, 41.144,
316.343


 22, 21.108,
315.226

 11, 44.918,
316.318

 24, 15.685,
314.823

 10, 48.986,
316.458

 26, 10.299,
314.419

 10, 49.159,
316.469

 29, 4.998, 314.022

■ 31, 0.194, 134.077

■ 34, 5.261, 133.338

■ 37, 10.197,
133.012

■ 39, 15.001,
132.718

Harmonies

Complementary

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



17, 31.748, 315.950



28, 30.178, 131.135

Rectangle

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



17, 31.748, 315.950



17, 31.748, 5.950



17, 31.748, 135.950



17, 31.748, 185.950

Sweetspot

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



17, 31.747, 315.950



35, 11.837, 314.383



19, 19.553, 278.630



16, 8.126, 314.447



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



17, 31.747, 315.950



20, 47.148, 316.299



19, 30.435, 331.545



13, 2.815, 313.980



15, 60.524, 316.042



40, 111.125, 315.292

Inverse Universe

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



18, 22.920, 358.750



22, 33.737, 2.044



27, 30.684, 143.553



13, 2.017, 352.330



19, 42.513, 11.664



48, 78.527, 15.971

Previews

White Background



This preview shows how the CIE LCh color 17, 31.748, 315.950 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 17, 31.748, 315.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

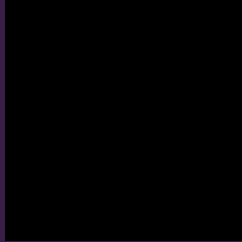
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 31.748, 315.950

Background



This preview shows how black text looks on a background with the CIELCh color 17, 31.748, 315.950.



This preview shows how white text looks on a background with the CIELCh color 17, 31.748, 315.950.

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

17, 31.748, 315.950

Protanopia

17, 30.767, 284.584

Deuteranopia

17, 20.048, 276.412



Tritanopia
17, 7.176, 4.473

Trichromacy



Original Color
17, 31.748, 315.950

Protanomaly
16, 30.604, 293.162

Deuteranomaly
17, 23.675, 294.318

Tritanomaly
17, 15.078, 327.525

Monochromacy



Original Color
17, 31.748, 315.950

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 12.045, 314.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 31.748, 315.950 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(58, 30, 74)` looks like.

```
.text, #text, p{  
    color:rgb(58, 30, 74)  
}
```

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(58, 30, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 30, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 31.748, 315.950 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(58, 30, 74) }
```

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

```
.border{ border-color:rgb(58, 30, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 30, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 30, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 30, 74);  
box-shadow:4px 4px 4px 4px rgb(58, 30, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 31.748, 315.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 30, 74) }
```

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

```
.background{ background-color: rgb(58, 30,  
74) }
```

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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