

Converting Colors

CIELCh(17, 31.480, 307.206)

Have a look what the booklet for
CIELCh(17, 31.480, 307.206)
contains.

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Color

CIELCh(17, 31.619, 307.404)

Conversions

Conversions Part 1

Format	Color
Hex	31214E
RGB	49, 33, 78
RGB Percent	19%, 13%, 31%
CMY	0.8073, 0.8701, 0.6936
CMYK	0.37, 0.58, 0.00, 0.69
HSL	261°, 40%, 22%
HSV	261°, 58%, 31%
XYZ	3.1998, 2.3023, 7.5081
YIQ	42.9140, -4.9090, 17.3870

Conversions

Conversions Part 2

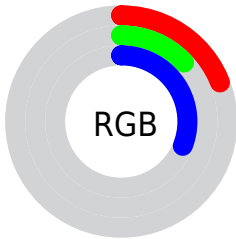
Format	Color
R_{YB}	49, 33, 78
Decimal	3219790
CIE _{Lab}	17.00, 19.21, -25.12
CIE _{LCh}	17, 31.619, 307.404
Yxy	2.3023, 0.2459, 0.1770
Android (android.graphics.Color)	4281409870 (0xFF31214E)
YUV	42.9140, 17.2974, 5.3374
Hunter-Lab	15.1734, 11.0890, -18.7165

Details

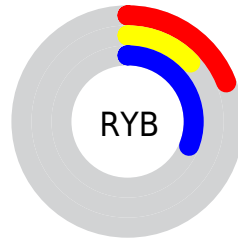
The CIELCh color **17, 31.619, 307.404** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **31, 28.429, 121.197**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 31.154, 307.271**, and **1, 19.359, 291.102** is the 20% darker color. If you saturate the color by 10%, you get **14, 37.291, 308.101**, and if you desaturate by 10%, it is **20, 25.880, 306.693**.

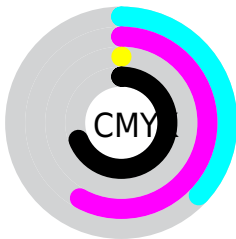
Distribution



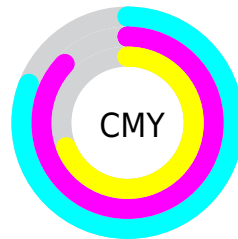
- Red (19%)
- Green (13%)
- Blue (31%)



- Red (19%)
- Yellow (13%)
- Blue (31%)



- Cyan (37%)
- Magenta (58%)
- Yellow (0%)
- Black (69%)



- Cyan (81%)
- Magenta (87%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 31.619, 307.404 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, 31.619, 307.404 by changing the saturation by 10% instead.

■ 17, 31.619,
307.404

■ 17, 31.619,
307.404

■ 100, 31.619,
307.404

■ 7, 31.619, 307.404

■ 37, 31.619,
307.404

■ 0, 31.619, 307.404

■ 47, 31.619,
307.404

■ 57, 31.619,
307.404

■ 67, 31.619,
307.404

■ 77, 31.619,
307.404

■ 87, 31.619,

307.404

97, 31.619,
307.404

17, 31.619,
307.404

17, 31.619,
307.404

14, 37.291,
308.101

20, 25.880,
306.693

12, 42.698,
308.719

23, 20.191,
306.005

10, 47.534,
309.168

25, 14.616,
305.362

8, 52.550, 309.828

28, 9.185, 304.772

7, 53.832, 310.022

31, 3.912, 304.236

34, 1.201, 123.800

■ 37, 6.156, 123.356

■ 40, 10.960,
122.983

■ 42, 15.618,
122.657

Harmonies

Complementary

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



17, 31.619, 307.404



31, 28.429, 121.197

Rectangle

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



17, 31.619, 307.404



17, 31.619, 357.404



17, 31.619, 127.404



17, 31.619, 177.404

Sweetspot

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



17, 31.619, 307.404



37, 11.053, 304.773



25, 14.146, 246.007



17, 7.310, 304.822



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 31.619, 307.404



19, 47.449, 308.358



20, 33.045, 322.540



14, 2.822, 304.288



12, 65.152, 309.701



33, 118.911, 308.986

Inverse Universe

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



20, 26.748, 341.135



25, 38.357, 342.674



29, 32.658, 136.965



14, 2.579, 337.146



21, 46.071, 347.661



51, 82.261, 349.599

Previews

White Background



This preview shows how the CIELCh color 17, 31.619, 307.404 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, 31.619, 307.404 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, 31.619, 307.404

Background



This preview shows how black text looks on a background with the CIELCh color 17, 31.619, 307.404.



This preview shows how white text looks on a background with the CIELCh color 17, 31.619, 307.404.

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

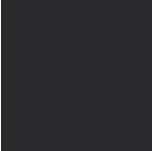
17, 31.619, 307.404

Protanopia

17, 31.545, 283.787

Deuteranopia

17, 23.952, 273.852



Tritanopia
17, 2.087, 290.728

Trichromacy



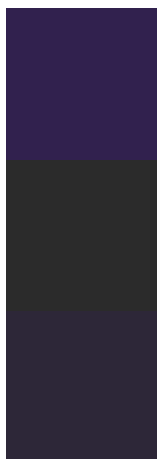
Original Color
17, 31.619, 307.404

Protanomaly
16, 31.359, 289.884

Deuteranomaly
16, 26.665, 286.141

Tritanomaly
17, 12.855, 304.741

Monochromacy



Original Color
17, 31.619, 307.404

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 12.181, 305.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 31.619, 307.404 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(49, 33, 78)` looks like.

```
.text, #text, p{  
    color:rgb(49, 33, 78)  
}
```

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(49, 33, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 33, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 31.619, 307.404 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(49, 33, 78) }
```

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

```
.border{ border-color:rgb(49, 33, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 33, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 33, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 33, 78);  
box-shadow:4px 4px 4px 4px rgb(49, 33, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 31.619, 307.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 33, 78) }
```

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

```
.background{ background-color: rgb(49, 33,  
78) }
```

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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