

Converting Colors

CIELCh(31, 34.257, 305.817)

Have a look what the booklet for
CIELCh(31, 34.257, 305.817)
contains.

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Color

CIELCh(31, 34.287, 305.612)

Conversions

Conversions Part 1

Format	Color
Hex	514075
RGB	81, 64, 117
RGB Percent	32%, 25%, 46%
CMY	0.6835, 0.7500, 0.5423
CMYK	0.31, 0.45, 0.00, 0.54
HSL	259°, 29%, 35%
HSV	259°, 45%, 46%
XYZ	8.3814, 6.6515, 17.5818
YIQ	75.1250, -6.8810, 20.0870

Conversions

Conversions Part 2

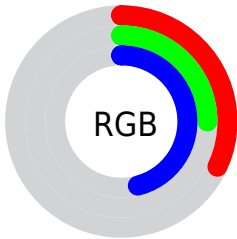
Format	Color
R_{YB}	81, 64, 117
Decimal	5324917
CIE _{Lab}	31.00, 19.97, -27.87
CIE _{LCh}	31, 34.287, 305.612
Yxy	6.6515, 0.2570, 0.2039
Android (android.graphics.Color)	4283514997 (0xFF514075)
YUV	75.1250, 20.6444, 5.1524
Hunter-Lab	25.7905, 12.8759, -22.3655

Details

The CIELCh color $31, 34.287, 305.612$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $47, 31.346, 120.170$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 34.083, 305.786$, and $11, 34.007, 305.494$ is the 20% darker color. If you saturate the color by 10%, you get $27, 42.316, 306.440$, and if you desaturate by 10%, it is $35, 26.355, 304.823$.

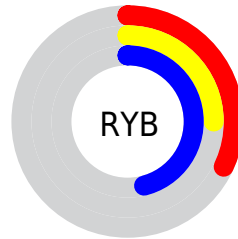
Distribution



Red (32%)

Green (25%)

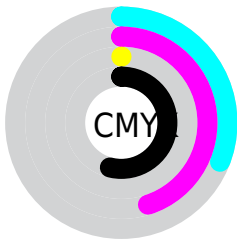
Blue (46%)



Red (32%)

Yellow (25%)

Blue (46%)

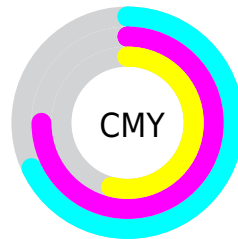


Cyan (31%)

Magenta (45%)

Yellow (0%)

Black (54%)



Cyan (68%)


Magenta (75%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 34.287, 305.612 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 31, 34.287, 305.612 by changing the saturation by 10% instead.


 31, 34.287,
305.612


 31, 34.287,
305.612

 100, 34.287,
305.612

 21, 34.287,
305.612

 51, 34.287,
305.612


 11, 34.287,
305.612


 61, 34.287,
305.612

 1, 34.287, 305.612

 71, 34.287,
305.612

 0, 34.287, 305.612

 81, 34.287,
305.612

 91, 34.287,
305.612

■ 31, 34.287,
305.612

■ 31, 34.287,
305.612

■ 27, 42.316,
306.440

■ 35, 26.355,
304.823

■ 23, 50.266,
307.262

■ 39, 18.613,
304.095

■ 20, 57.818,
307.997

■ 43, 11.098,
303.438

■ 17, 64.460,
308.527

■ 47, 3.825, 302.848

■ 15, 69.758,
308.779

■ 51, 3.209, 122.355

■ 14, 72.284,
308.996

■ 55, 10.009,
121.896

■ 59, 16.588,
121.502

■ 63, 22.956,
121.160

■ 67, 29.125,
120.864

Harmonies

Complementary

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



31, 34.287, 305.612



47, 31.346, 120.170

Rectangle

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



31, 34.287, 305.612



31, 34.287, 355.612



31, 34.287, 125.612



31, 34.287, 175.612

Sweetspot

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



31, 34.286, 305.612



55, 12.412, 303.374



40, 15.724, 239.098



28, 8.660, 303.482



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



31, 34.286, 305.612



36, 50.794, 306.436



34, 36.459, 321.197



22, 4.035, 303.057



15, 74.836, 308.946



35, 127.711, 308.429

Inverse Universe

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



35, 30.494, 338.512



42, 43.898, 339.435



45, 35.884, 136.796



23, 3.799, 335.689



26, 53.302, 345.587



55, 89.431, 346.891

Previews

White Background



This preview shows how the CIE LCh color 31, 34.287, 305.612 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 31, 34.287, 305.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

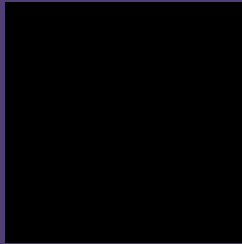
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 34.287, 305.612

Background



This preview shows how black text looks on a background with the CIELCh color 31, 34.287, 305.612.



This preview shows how white text looks on a background with the CIELCh color 31, 34.287, 305.612.

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


31, 34.287, 305.612

Protanopia

31, 33.873, 286.085

Deuteranopia

31, 27.196, 280.278



Tritanopia
31, 3.859, 297.223

Trichromacy



Original Color
31, 34.287, 305.612

Protanomaly
31, 33.735, 292.794

Deuteranomaly
31, 29.283, 290.157

Tritanomaly
31, 15.013, 303.457

Monochromacy



Original Color
31, 34.287, 305.612

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 12.387, 303.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 34.287, 305.612 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(81, 64, 117)` looks like.

```
.text, #text, p{  
    color:rgb(81, 64, 117)  
}
```

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(81, 64, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 64, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 34.287, 305.612 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(81, 64, 117) }
```

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

```
.border{ border-color:rgb(81, 64, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 64, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 64, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 64, 117);  
box-shadow:4px 4px 4px 4px rgb(81, 64,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 34.287, 305.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 64, 117) }
```

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

```
.background{ background-color: rgb(81, 64,  
117) }
```

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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