

Converting Colors

CIELCh(31, 36.741, 304.587)

Have a look what the booklet for
CIELCh(31, 36.741, 304.587)
contains.

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Color

CIELCh(31, 36.741, 304.587)

Conversions

Conversions Part 1

Format	Color
Hex	4F3F78
RGB	79, 63, 120
RGB Percent	31%, 25%, 47%
CMY	0.6884, 0.7513, 0.5276
CMYK	0.34, 0.47, 0.00, 0.53
HSL	257°, 31%, 36%
HSV	257°, 47%, 47%
XYZ	8.4825, 6.6515, 18.7562
YIQ	74.2820, -8.7610, 21.1190

Conversions

Conversions Part 2

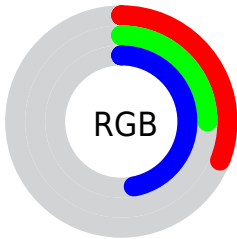
Format	Color
R_{YB}	79, 63, 120
Decimal	5193592
CIE _{Lab}	31.00, 20.86, -30.25
CIE _{LCh}	31, 36.741, 304.587
Yxy	6.6515, 0.2503, 0.1963
Android (android.graphics.Color)	4283383672 (0xFF4F3F78)
YUV	74.2820, 22.5390, 4.1377
Hunter-Lab	25.7905, 13.5755, -25.0655

Details

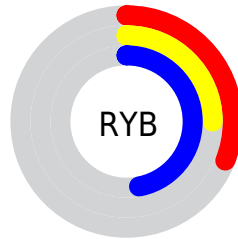
The CIELCh color $[31, 36.741, 304.587]$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $[48, 33.236, 118.432]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 36.883, 304.496]$, and $[11, 36.772, 304.418]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 45.033, 305.523]$, and if you desaturate by 10%, it is $[35, 28.552, 303.700]$.

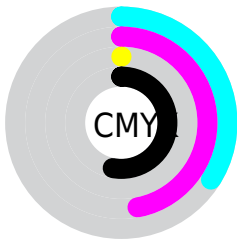
Distribution



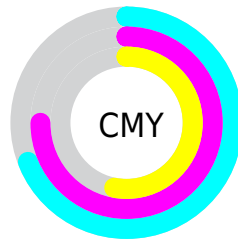
- Red (31%)
- Green (25%)
- Blue (47%)



- Red (31%)
- Yellow (25%)
- Blue (47%)



- Cyan (34%)
- Magenta (47%)
- Yellow (0%)
- Black (53%)





- Cyan (69%)
- Magenta (75%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 36.741, 304.587 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, 36.741, 304.587 by changing the saturation by 10% instead.


 31, 36.741,
304.587


 31, 36.741,
304.587

 100, 36.741,
304.587


 21, 36.741,
304.587

 51, 36.741,
304.587


 11, 36.741,
304.587


 61, 36.741,
304.587

 1, 36.741, 304.587

 71, 36.741,
304.587

 0, 36.741, 304.587

 81, 36.741,
304.587

 91, 36.741,
304.587

■ 31, 36.741,
304.587

■ 31, 36.741,
304.587

■ 27, 45.033,
305.523

■ 35, 28.552,
303.700

■ 23, 53.229,
306.455

■ 39, 20.568,
302.887

■ 20, 60.957,
307.291

■ 43, 12.828,
302.157

■ 17, 67.622,
307.890

■ 48, 5.346, 301.508

■ 52, 1.882, 120.962

■ 14, 72.981,
308.256

■ 56, 8.864, 120.456

■ 14, 74.484,
308.421

■ 60, 15.612,
120.024

■ 64, 22.140,
119.651

■ 68, 28.461,
119.328

Harmonies

Complementary

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



31, 36.741, 304.587



48, 33.236, 118.432

Rectangle

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



31, 36.741, 304.587



31, 36.741, 354.587



31, 36.741, 124.587



31, 36.741, 174.587

Sweetspot

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



31, 36.740, 304.587



57, 12.692, 301.953



42, 16.531, 232.109



29, 8.857, 302.073



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



31, 36.740, 304.587



35, 55.223, 305.620



34, 38.654, 319.724



23, 4.160, 301.615



15, 76.496, 308.386



35, 129.566, 307.926

Inverse Universe

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



35, 33.418, 336.898



42, 48.439, 337.850



46, 37.770, 135.333



24, 4.049, 334.078



27, 55.432, 342.865



56, 92.409, 343.903

Previews

White Background



This preview shows how the CIE LCh color 31, 36.741, 304.587 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 CIELCh color 31, 36.741, 304.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

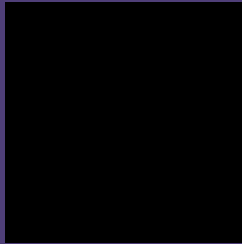
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 36.741, 304.587

Background



This preview shows how black text looks on a background with the CIELCh color 31, 36.741, 304.587.



This preview shows how white text looks on a background with the CIELCh color 31, 36.741, 304.587.

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

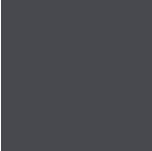
31, 36.741, 304.587

Protanopia

31, 36.431, 285.899

Deuteranopia

31, 29.244, 279.339



Tritanopia
31, 3.898, 278.389

Trichromacy



Original Color
31, 36.741, 304.587

Protanomaly
31, 36.261, 292.115

Deuteranomaly
31, 31.240, 288.692

Tritanomaly
31, 15.435, 298.710

Monochromacy



Original Color
31, 36.741, 304.587

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 13.631, 302.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 36.741, 304.587 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(79, 63, 120)` looks like.

```
.text, #text, p{  
    color:rgb(79, 63, 120)  
}
```

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(79, 63, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 63, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 36.741, 304.587 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(79, 63, 120) }
```

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

```
.border{ border-color:rgb(79, 63, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 63, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 63, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 63, 120);  
box-shadow:4px 4px 4px 4px rgb(79, 63,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 36.741, 304.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 63, 120) }
```

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

```
.background{ background-color: rgb(79, 63,  
120) }
```

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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