

Converting Colors

CIELCh(31, 63.487, 328.082)

Have a look what the booklet for
CIELCh(31, 63.487, 328.082)
contains.

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Color

CIELCh(31, 63.233, 328.295)

Conversions

Conversions Part 1

Format	Color
Hex	7F187E
RGB	127, 24, 126
RGB Percent	50%, 9%, 49%
CMY	0.5025, 0.9065, 0.5064
CMYK	0.00, 0.81, 0.01, 0.50
HSL	301°, 68%, 30%
HSV	301°, 81%, 50%
XYZ	12.8143, 6.6515, 20.3060
YIQ	66.4250, 28.6460, 53.5580

Conversions

Conversions Part 2

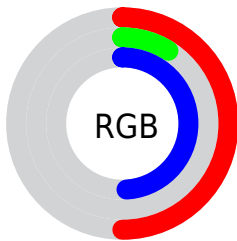
Format	Color
R_{YB}	127, 24, 126
Decimal	8329342
CIE _{Lab}	31.00, 53.80, -33.23
CIE _{LCh}	31, 63.233, 328.295
Yxy	6.6515, 0.3222, 0.1672
Android (android.graphics.Color)	4286519422 (0xFF7F187E)
YUV	66.4250, 29.3705, 53.1243
Hunter-Lab	25.7905, 43.5562, -28.6283

Details

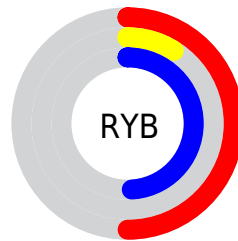
The CIELCh color **31, 63.233, 328.295** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **46, 64.928, 137.463**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 63.096, 328.439**, and **15, 48.190, 327.290** is the 20% darker color. If you saturate the color by 10%, you get **30, 66.403, 328.481**, and if you desaturate by 10%, it is **32, 58.456, 328.029**.

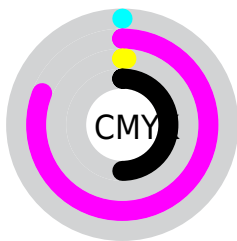
Distribution



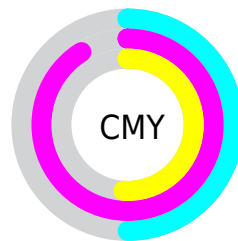
- Red (50%)
- Green (9%)
- Blue (49%)



- Red (50%)
- Yellow (9%)
- Blue (49%)



- Cyan (0%)
- Magenta (81%)
- Yellow (1%)
- Black (50%)





- Cyan (50%)
- Magenta (91%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 63.233, 328.295 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, 63.233, 328.295 by changing the saturation by 10% instead.


 31, 63.233,
328.295


 31, 63.233,
328.295

 100, 63.233,
328.295


 21, 63.233,
328.295

 51, 63.233,
328.295


 11, 63.233,
328.295


 61, 63.233,
328.295

 1, 63.233, 328.295

 71, 63.233,
328.295

 0, 63.233, 328.295

 81, 63.233,
328.295

 91, 63.233,
328.295

■ 31, 63.233,
328.295

■ 31, 63.233,
328.295

■ 30, 66.403,
328.481

■ 32, 58.456,
328.029

■ 29, 68.383,
328.606

■ 34, 52.249,
327.688

■ 37, 44.899,
327.282

■ 40, 36.728,
326.823

■ 43, 28.040,
326.327

■ 46, 19.086,
325.807

■ 49, 10.056,
325.271

■ 53, 1.087, 324.591

Harmonies

Complementary

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



31, 63.233, 328.295



46, 64.928, 137.463

Rectangle

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



31, 63.233, 328.295



31, 63.233, 18.295



31, 63.233, 148.295



31, 63.233, 198.295

Sweetspot

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



31, 63.231, 328.295



58, 26.870, 325.984



17, 68.042, 303.500



29, 18.596, 326.142



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



31, 63.231, 328.295



39, 82.489, 328.581



29, 46.888, 354.697



25, 5.069, 325.155



30, 68.627, 328.606



0, 0.000, 0.000

Inverse Universe

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



31, 63.231, 328.295



39, 82.489, 328.581



47, 45.511, 153.678



25, 5.069, 325.155



30, 68.627, 328.606



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 31, 63.233, 328.295 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, 63.233, 328.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

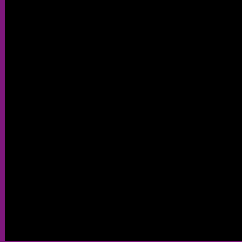
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 63.233, 328.295

Background



This preview shows how black text looks on a background with the CIELCh color 31, 63.233, 328.295.



This preview shows how white text looks on a background with the CIELCh color 31, 63.233, 328.295.

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, 63.233, 328.295

Protanopia
32, 51.504, 286.135

Deuteranopia
32, 28.498, 279.021



Tritanopia
31, 31.462, 21.404

Trichromacy



Original Color
31, 63.233, 328.295

Protanomaly
27, 57.092, 298.092

Deuteranomaly
29, 42.819, 306.285

Tritanomaly
30, 39.409, 351.188

Monochromacy



Original Color
31, 63.233, 328.295

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 27.930, 326.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 63.233, 328.295 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(127, 24, 126)` looks like.

```
.text, #text, p{  
    color:rgb(127, 24, 126)  
}
```

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(127, 24, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 24, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 63.233, 328.295 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(127, 24, 126) }
```

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

```
.border{ border-color:rgb(127, 24, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 24, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 24, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 24, 126);  
box-shadow:4px 4px 4px 4px rgb(127, 24,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 63.233, 328.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 24, 126) }
```

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

```
.background{ background-color: rgb(127, 24,  
126) }
```

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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