

Converting Colors

CIELCh(31, 73.814, 326.029)

Have a look what the booklet for
CIELCh(31, 73.814, 326.029)
contains.

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Color

CIELCh(31, 73.814, 326.029)

Conversions

Conversions Part 1

Format	Color
Hex	83008B
RGB	131, 0, 139
RGB Percent	51%, 0%, 55%
CMY	0.4872, 1.0000, 0.4558
CMYK	0.06, 1.00, 0.00, 0.46
HSL	297°, 100%, 27%
HSV	297°, 100%, 54%
XYZ	13.9592, 6.6515, 24.8848
YIQ	55.0150, 33.4570, 71.0010

Conversions

Conversions Part 2

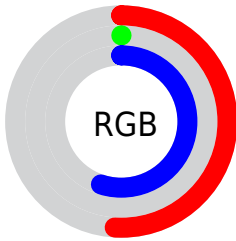
Format	Color
R_{YB}	131, 0, 139
Decimal	8585355
CIE _{Lab}	31.00, 61.22, -41.25
CIE _{LCh}	31, 73.814, 326.029
Yxy	6.6515, 0.3068, 0.1462
Android (android.graphics.Color)	4286775435 (0xFF83008B)
YUV	55.0150, 41.4046, 66.6388
Hunter-Lab	25.7905, 51.4805, -39.1545

Details

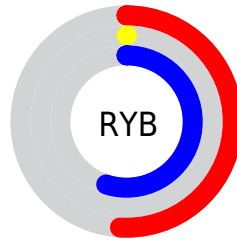
The CIELCh color **31, 73.814, 326.029** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **50, 75.824, 135.678**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 73.565, 326.178**, and **17, 53.711, 323.361** is the 20% darker color. If you saturate the color by 10%, you get **31, 73.725, 326.022**, and if you desaturate by 10%, it is **32, 71.299, 326.064**.

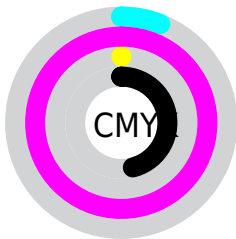
Distribution



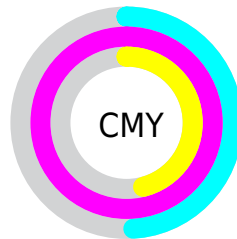
- Red (51%)
- Green (0%)
- Blue (55%)



- Red (51%)
- Yellow (0%)
- Blue (55%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (46%)





- Cyan (49%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 73.814, 326.029 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, 73.814, 326.029 by changing the saturation by 10% instead.


 31, 73.814,
326.029


 31, 73.814,
326.029

 100, 73.814,
326.029


 21, 73.814,
326.029

 51, 73.814,
326.029


 11, 73.814,
326.029


 61, 73.814,
326.029

 1, 73.814, 326.029

 71, 73.814,
326.029

 0, 73.814, 326.029

 81, 73.814,
326.029

 91, 73.814,
326.029

■ 31, 73.814,
326.029

■ 31, 73.814,
326.029

■ 31, 73.725,
326.022

■ 32, 71.299,
326.064

■ 33, 67.578,
326.019

■ 35, 62.117,
325.855

■ 37, 55.156,
325.586

■ 40, 47.042,
325.232

■ 43, 38.136,
324.814

■ 47, 28.758,
324.353

■ 50, 19.163,

323.865

■ 54, 9.536, 323.361

Harmonies

Complementary

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



31, 73.814, 326.029



50, 75.824, 135.678

Rectangle

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



31, 73.814, 326.029



31, 73.814, 16.029



31, 73.814, 146.029



31, 73.814, 196.029

Sweetspot

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



31, 73.725, 326.022



60, 35.726, 324.384



16, 81.724, 305.163



30, 24.532, 324.559



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



31, 73.725, 326.022



41, 89.647, 325.975



29, 55.044, 354.945



27, 5.344, 323.317



30, 71.333, 326.032



0, 2.466, 322.885

Inverse Universe

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



28, 63.663, 36.650



38, 78.419, 37.685



50, 59.732, 146.604



27, 3.154, 15.205



27, 61.360, 36.338



0, 1.421, 14.610

Previews

White Background



This preview shows how the CIELCh color 31, 73.814, 326.029 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, 73.814, 326.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

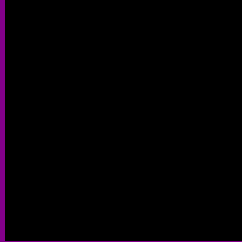
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 73.814, 326.029

Background



This preview shows how black text looks on a background with the CIELCh color 31, 73.814, 326.029.

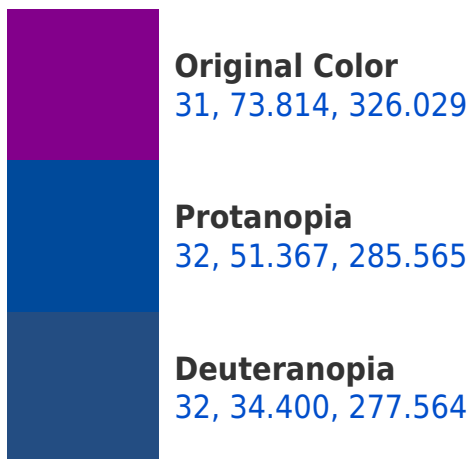


This preview shows how white text looks on a background with the CIELCh color 31, 73.814, 326.029.

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





Tritanopia
32, 31.851, 21.472

Trichromacy



Original Color
31, 73.814, 326.029

Protanomaly
26, 65.259, 301.265

Deuteranomaly
27, 54.081, 305.343

Tritanomaly
30, 45.119, 347.154

Monochromacy



Original Color
31, 73.814, 326.029

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 36.645, 325.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 73.814, 326.029 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(131, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 139)  
}
```

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(131, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 73.814, 326.029 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(131, 0, 139) }
```

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

```
.border{ border-color:rgb(131, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 73.814, 326.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 139) }
```

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

```
.background{ background-color: rgb(131, 0,  
139) }
```

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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