

Converting Colors

CIELCh(24, 86.270, 311.887)

Have a look what the booklet for
CIELCh(24, 86.270, 311.887)
contains.

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Color

CIELCh(24, 86.332, 311.857)

Conversions

Conversions Part 1

Format	Color
Hex	4E029D
RGB	78, 2, 157
RGB Percent	31%, 1%, 62%
CMY	0.6940, 0.9920, 0.3842
CMYK	0.50, 0.99, 0.00, 0.38
HSL	269°, 97%, 31%
HSV	269°, 99%, 62%
XYZ	9.2540, 4.1002, 32.2133
YIQ	42.3940, -4.4590, 64.3170

Conversions

Conversions Part 2

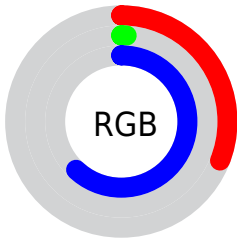
Format	Color
R_{YB}	78, 2, 157
Decimal	5112477
CIE _{Lab}	24.00, 57.61, -64.30
CIE _{LCh}	24, 86.332, 311.857
Yxy	4.1002, 0.2031, 0.0900
Android (android.graphics.Color)	4283302557 (0xFF4E029D)
YUV	42.3940, 56.5008, 31.2265
Hunter-Lab	20.2490, 46.1409, -80.1478

Details

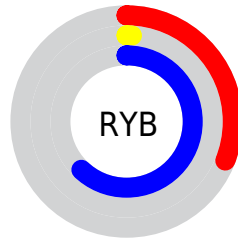
The CIELCh color **24, 86.332, 311.857** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **58, 75.122, 127.410**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 86.540, 311.874**, and **9, 69.034, 306.454** is the 20% darker color. If you saturate the color by 10%, you get **24, 86.925, 311.820**, and if you desaturate by 10%, it is **26, 81.734, 312.234**.

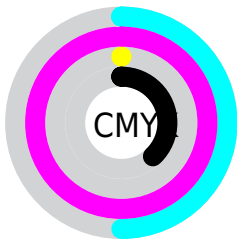
Distribution



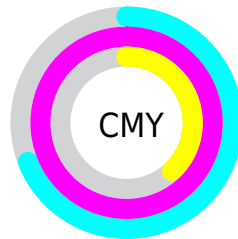
- Red (31%)
- Green (1%)
- Blue (62%)



- Red (31%)
- Yellow (1%)
- Blue (62%)



- Cyan (50%)
- Magenta (99%)
- Yellow (0%)
- Black (38%)



- Cyan (69%)
- Magenta (99%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 86.332, 311.857 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 24, 86.332, 311.857 by changing the saturation by 10% instead.

 24, 86.332,
311.857

 24, 86.332,
311.857

 100, 86.332,
311.857

 14, 86.332,
311.857


 44, 86.332,
311.857


 4, 86.332, 311.857

 54, 86.332,
311.857

 0, 86.332, 311.857

 64, 86.332,
311.857

 74, 86.332,
311.857

 84, 86.332,
311.857

 94, 86.332,

311.857

■ 24, 86.332,
311.857

■ 24, 86.332,
311.857

■ 24, 86.925,
311.820

■ 26, 81.734,
312.234

■ 29, 75.209,
312.309

■ 33, 66.944,
312.091

■ 37, 57.602,
311.687

■ 41, 47.716,
311.185

■ 46, 37.649,
310.644

■ 51, 27.625,
310.103

■ 56, 17.771,
309.585

■ 60, 8.156, 309.100

Harmonies

Complementary

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



24, 86.332, 311.857



58, 75.122, 127.410

Rectangle

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



24, 86.332, 311.857



24, 86.332, 1.857



24, 86.332, 131.857



24, 86.332, 181.857

Sweetspot

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



24, 86.332, 311.858



64, 35.812, 310.203



35, 47.405, 281.221



31, 24.482, 310.413



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



24, 86.332, 311.858



32, 105.768, 311.603



37, 80.222, 327.577



31, 5.332, 309.126



21, 81.021, 311.912



1, 6.857, 307.835

Inverse Universe

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



34, 58.970, 0.056



44, 71.708, 1.392



56, 82.945, 135.996



31, 4.328, 343.833



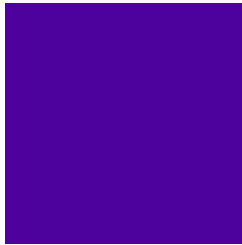
30, 55.239, 0.144



1, 5.502, 344.549

Previews

White Background



This preview shows how the CIELCh color 24, 86.332, 311.857 looks on a white background.

Color Contrast Check

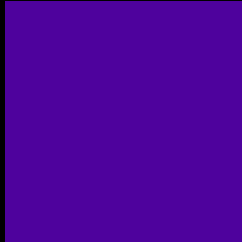
Large Text (above 18pt) WCAG AA ✓ Pass

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 24, 86.332, 311.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

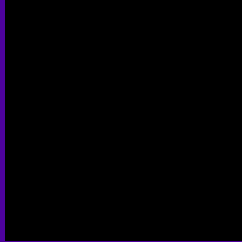
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 86.332, 311.857

Background



This preview shows how black text looks on a background with the CIELCh color 24, 86.332, 311.857.



This preview shows how white text looks on a background with the CIELCh color 24, 86.332, 311.857.

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

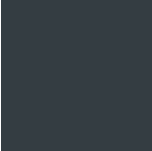
24, 86.332, 311.857

Protanopia

25, 41.773, 284.266

Deuteranopia

25, 29.452, 269.911



Tritanopia
25, 4.959, 240.707

Trichromacy



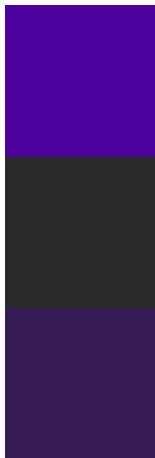
Original Color
24, 86.332, 311.857

Protanomaly
21, 63.090, 300.321

Deuteranomaly
21, 55.188, 298.496

Tritanomaly
22, 39.891, 307.690

Monochromacy



Original Color
24, 86.332, 311.857

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 39.736, 311.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 86.332, 311.857 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(78, 2, 157)` looks like.

```
.text, #text, p{  
    color:rgb(78, 2, 157)  
}
```

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(78, 2, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 2, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 86.332, 311.857 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(78, 2, 157) }
```

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

```
.border{ border-color:rgb(78, 2, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 2, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 2, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 2, 157);  
box-shadow:4px 4px 4px 4px rgb(78, 2, 157)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 86.332, 311.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 2, 157) }
```

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

```
.background{ background-color: rgb(78, 2,  
157) }
```

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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