

Converting Colors

CIELCh(24, 79.778, 308.380)

Have a look what the booklet for
CIELCh(24, 79.778, 308.380)
contains.

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Color

CIELCh(24, 79.840, 308.329)

Conversions

Conversions Part 1

Format	Color
Hex	40189A
RGB	64, 24, 154
RGB Percent	25%, 9%, 60%
CMY	0.7481, 0.9051, 0.3952
CMYK	0.58, 0.84, 0.00, 0.40
HSL	258°, 73%, 35%
HSV	258°, 84%, 60%
XYZ	8.3113, 4.1002, 31.0176
YIQ	50.7800, -17.8900, 48.9100

Conversions

Conversions Part 2

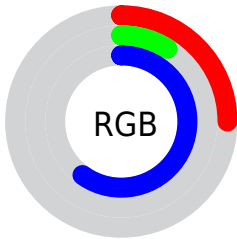
Format	Color
R _Y B	64, 24, 154
Decimal	4200602
CIE Lab	24.00, 49.51, -62.63
CIE LCh	24, 79.840, 308.329
Yxy	4.1002, 0.1914, 0.0944
Android (android.graphics.Color)	4282390682 (0xFF40189A)
YUV	50.7800, 50.8875, 11.5939
Hunter-Lab	20.2490, 37.8305, -76.6468

Details

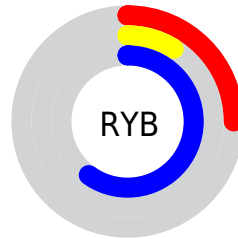
The CIELCh color **24, 79.840, 308.329** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **59, 65.225, 118.981**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 79.798, 308.323**, and **8, 67.812, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **21, 85.948, 308.491**, and if you desaturate by 10%, it is **28, 71.603, 307.774**.

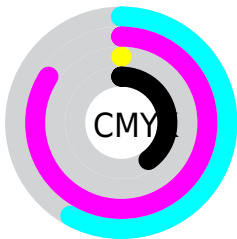
Distribution



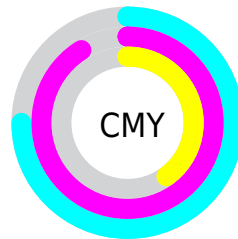
- Red (25%)
- Green (9%)
- Blue (60%)



- Red (25%)
- Yellow (9%)
- Blue (60%)



- Cyan (58%)
- Magenta (84%)
- Yellow (0%)
- Black (40%)





- Cyan (75%)
- Magenta (91%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 79.840, 308.329 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, 79.840, 308.329 by changing the saturation by 10% instead.

 24, 79.840,
308.329


 24, 79.840,
308.329

 100, 79.840,
308.329

 14, 79.840,
308.329


 44, 79.840,
308.329

 4, 79.840, 308.329

 54, 79.840,
308.329

 0, 79.840, 308.329

 64, 79.840,
308.329

 74, 79.840,
308.329

 84, 79.840,
308.329

 94, 79.840,

308.329

■ 24, 79.840,
308.329

■ 24, 79.840,
308.329

■ 21, 85.948,
308.491

■ 28, 71.603,
307.774

■ 20, 88.929,
308.560

■ 32, 62.129,
306.989

■ 37, 52.122,
306.111

■ 41, 42.017,
305.230

■ 46, 32.050,
304.394

■ 51, 22.336,
303.628

■ 56, 12.922,
302.941

■ 62, 3.824, 302.326

■ 67, 4.962, 121.814

Harmonies

Complementary

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



24, 79.840, 308.329



59, 65.225, 118.981

Rectangle

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



24, 79.840, 308.329



24, 79.840, 358.329



24, 79.840, 128.329



24, 79.840, 178.329

Sweetspot

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



24, 79.841, 308.330



65, 28.626, 303.716



45, 30.432, 248.292



32, 19.793, 303.961



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, 79.841, 308.330



27, 108.658, 308.377



33, 75.642, 321.294



30, 5.031, 302.621



18, 82.891, 308.639



0, 5.356, 301.904

Inverse Universe

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



36, 60.972, 342.464



45, 76.818, 345.610



56, 74.785, 134.333



30, 4.786, 335.192



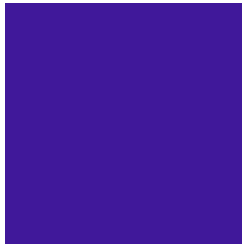
31, 59.118, 344.973



1, 5.093, 335.084

Previews

White Background



This preview shows how the CIE LCh color 24, 79.840, 308.329 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, 79.840, 308.329 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, 79.840, 308.329

Background



This preview shows how black text looks on a background with the CIELCh color 24, 79.840, 308.329.



This preview shows how white text looks on a background with the CIELCh color 24, 79.840, 308.329.

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, 79.840, 308.329

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 28.888, 270.004



Tritanopia
24, 12.968, 212.357

Trichromacy



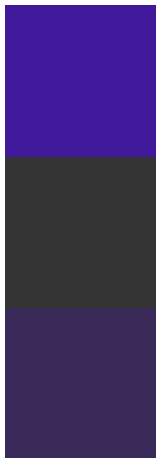
Original Color
24, 79.840, 308.329

Protanomaly
22, 57.324, 297.191

Deuteranomaly
22, 48.483, 293.903

Tritanomaly
22, 33.408, 293.004

Monochromacy



Original Color
24, 79.840, 308.329

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 32.840, 305.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 79.840, 308.329 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(64, 24, 154)` looks like.

```
.text, #text, p{  
    color:rgb(64, 24, 154)  
}
```

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(64, 24, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 24, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 79.840, 308.329 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(64, 24, 154) }
```

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

```
.border{ border-color:rgb(64, 24, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 24, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 24, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 24, 154);  
box-shadow:4px 4px 4px 4px rgb(64, 24,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 79.840, 308.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 24, 154) }
```

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

```
.background{ background-color: rgb(64, 24,  
154) }
```

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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