

Converting Colors

CIELCh(24, 80.294, 314.499)

Have a look what the booklet for
CIELCh(24, 80.294, 314.499)
contains.

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Color

CIELCh(24, 80.324, 314.450)

Conversions

Conversions Part 1

Format	Color
Hex	570192
RGB	87, 1, 146
RGB Percent	34%, 0%, 57%
CMY	0.6596, 0.9973, 0.4282
CMYK	0.40, 1.00, 0.00, 0.43
HSL	276°, 99%, 29%
HSV	276°, 100%, 57%
XYZ	9.0912, 4.1002, 27.4246
YIQ	43.2440, 4.7110, 63.3270

Conversions

Conversions Part 2

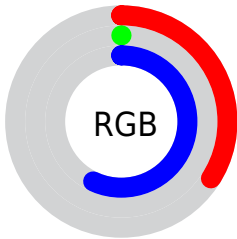
Format	Color
R_{YB}	87, 1, 146
Decimal	5702034
CIE _{Lab}	24.00, 56.25, -57.34
CIE _{LCh}	24, 80.324, 314.450
Yxy	4.1002, 0.2238, 0.1010
Android (android.graphics.Color)	4283892114 (0xFF570192)
YUV	43.2440, 50.6587, 38.3740
Hunter-Lab	20.2490, 44.7053, -66.1262

Details

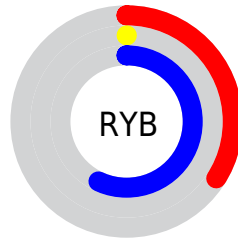
The CIELCh color **24, 80.324, 314.450** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **53, 73.617, 130.482**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 80.471, 314.458**, and **10, 61.990, 309.076** is the 20% darker color. If you saturate the color by 10%, you get **24, 80.515, 314.434**, and if you desaturate by 10%, it is **26, 76.357, 314.889**.

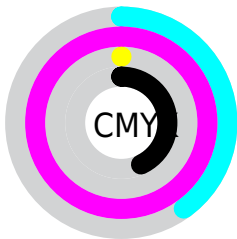
Distribution



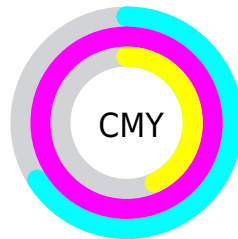
- Red (34%)
- Green (0%)
- Blue (57%)



- Red (34%)
- Yellow (0%)
- Blue (57%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (43%)





- Cyan (66%)
- Magenta (100%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 80.324, 314.450 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, 80.324, 314.450 by changing the saturation by 10% instead.

 24, 80.324,
314.450

 24, 80.324,
314.450

 100, 80.324,
314.450

 14, 80.324,
314.450


 44, 80.324,
314.450


 4, 80.324, 314.450

 54, 80.324,
314.450

 0, 80.324, 314.450

 64, 80.324,
314.450

 74, 80.324,
314.450

 84, 80.324,
314.450

 94, 80.324,

314.450

■ 24, 80.324,
314.450

■ 24, 80.324,
314.450

■ 24, 80.515,
314.434

■ 26, 76.357,
314.889

■ 28, 70.838,
315.101

■ 32, 63.612,
315.040

■ 35, 55.216,
314.788

■ 39, 46.133,
314.419

■ 43, 36.727,
313.988

■ 47, 27.243,
313.532

■ 52, 17.838,
313.078

■ 56, 8.603, 312.637

Harmonies

Complementary

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



24, 80.324, 314.450



53, 73.617, 130.482

Rectangle

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



24, 80.324, 314.450



24, 80.324, 4.450



24, 80.324, 134.450



24, 80.324, 184.450

Sweetspot

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



24, 80.324, 314.450



60, 34.190, 313.582



28, 54.519, 290.232



29, 23.320, 313.753



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



24, 80.324, 314.450



32, 97.551, 314.212



34, 71.373, 331.763



29, 5.158, 312.624



22, 77.201, 314.490



1, 4.463, 312.260

Inverse Universe

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



30, 55.659, 9.761



40, 67.565, 11.112



52, 77.144, 136.938



29, 3.831, 349.761



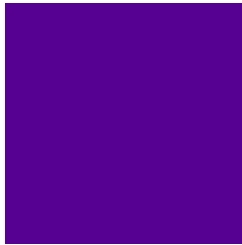
29, 53.480, 9.669



1, 3.305, 349.005

Previews

White Background



This preview shows how the CIE LCh color 24, 80.324, 314.450 looks on a white background.

Color Contrast Check

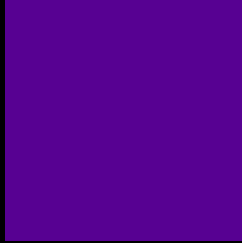
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.324, 314.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

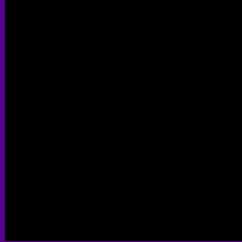
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 80.324, 314.450

Background



This preview shows how black text looks on a background with the CIELCh color 24, 80.324, 314.450.



This preview shows how white text looks on a background with the CIELCh color 24, 80.324, 314.450.

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, 80.324, 314.450

Protanopia

25, 42.376, 284.676

Deuteranopia

25, 29.997, 270.755



Tritanopia
25, 6.100, 355.166

Trichromacy



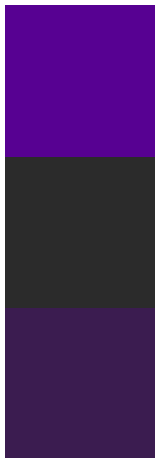
Original Color
24, 80.324, 314.450

Protanomaly
21, 61.886, 300.917

Deuteranomaly
21, 53.267, 298.824

Tritanomaly
22, 38.352, 317.701

Monochromacy



Original Color
24, 80.324, 314.450

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 36.753, 314.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 80.324, 314.450 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(87, 1, 146)` looks like.

```
.text, #text, p{  
    color:rgb(87, 1, 146)  
}
```

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(87, 1, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 1, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 80.324, 314.450 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(87, 1, 146) }
```

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

```
.border{ border-color:rgb(87, 1, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 1, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 1, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 1, 146);  
box-shadow:4px 4px 4px 4px rgb(87, 1, 146)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 80.324, 314.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 1, 146) }
```

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

```
.background{ background-color: rgb(87, 1,  
146) }
```

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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