

Converting Colors

CIELCh(24, 87.136, 310.921)

Have a look what the booklet for
CIELCh(24, 87.136, 310.921)
contains.

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Color

CIELCh(24, 87.284, 310.866)

Conversions

Conversions Part 1

Format	Color
Hex	4A06A0
RGB	74, 6, 160
RGB Percent	29%, 2%, 63%
CMY	0.7107, 0.9778, 0.3734
CMYK	0.54, 0.96, 0.00, 0.37
HSL	267°, 93%, 32%
HSV	267°, 96%, 63%
XYZ	9.1941, 4.1002, 33.4668
YIQ	43.8880, -8.9060, 62.3100

Conversions

Conversions Part 2

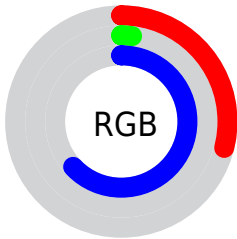
Format	Color
R_{YB}	74, 6, 160
Decimal	4851360
CIE _{Lab}	24.00, 57.11, -66.01
CIE _{LCh}	24, 87.284, 310.866
Yxy	4.1002, 0.1966, 0.0877
Android (android.graphics.Color)	4283041440 (0xFF4A06A0)
YUV	43.8880, 57.2432, 26.4082
Hunter-Lab	20.2490, 45.6123, -83.8181

Details

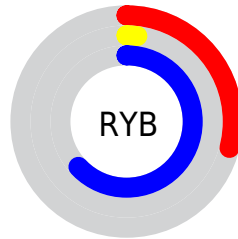
The CIELCh color **24, 87.284, 310.866** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **59, 74.213, 125.498**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 87.083, 310.875**, and **9, 70.627, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 88.964, 310.779**, and if you desaturate by 10%, it is **26, 82.128, 311.137**.

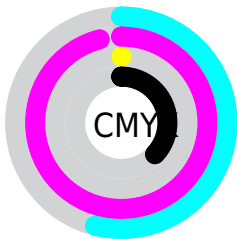
Distribution



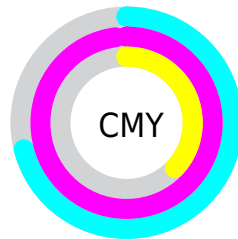
- Red (29%)
- Green (2%)
- Blue (63%)



- Red (29%)
- Yellow (2%)
- Blue (63%)



- Cyan (54%)
- Magenta (96%)
- Yellow (0%)
- Black (37%)



- Cyan (71%)
- Magenta (98%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 87.284, 310.866 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, 87.284, 310.866 by changing the saturation by 10% instead.

 24, 87.284,
310.866

 24, 87.284,
310.866

 100, 87.284,
310.866

 14, 87.284,
310.866

 44, 87.284,
310.866

 4, 87.284, 310.866

 54, 87.284,
310.866

 0, 87.284, 310.866

 64, 87.284,
310.866

 74, 87.284,
310.866

 84, 87.284,
310.866

 94, 87.284,

310.866

■ 24, 87.284,
310.866

■ 24, 87.284,
310.866

■ 23, 88.964,
310.779

■ 26, 82.128,
311.137

■ 30, 74.797,
311.042

■ 34, 65.887,
310.675

■ 38, 56.091,
310.150

■ 43, 45.913,
309.555

■ 48, 35.675,
308.946

■ 53, 25.562,
308.357

■ 58, 15.674,
307.806

■ 63, 6.060, 307.296

Harmonies

Complementary

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



24, 87.284, 310.866



59, 74.213, 125.498

Rectangle

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



24, 87.284, 310.866



24, 87.284, 0.866



24, 87.284, 130.866



24, 87.284, 180.866

Sweetspot

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



24, 87.285, 310.867



65, 34.679, 308.535



39, 42.603, 274.535



32, 24.109, 308.773



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



24, 87.285, 310.867



31, 107.878, 310.574



36, 80.983, 325.688



31, 5.283, 307.435



20, 81.847, 310.886



1, 6.794, 306.192

Inverse Universe

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



35, 60.306, 355.070



45, 73.270, 356.899



57, 83.143, 135.831



31, 4.474, 341.317



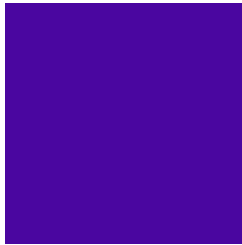
30, 56.006, 355.791



1, 5.681, 342.100

Previews

White Background



This preview shows how the CIELCh color 24, 87.284, 310.866 looks on a white background.

Color Contrast Check

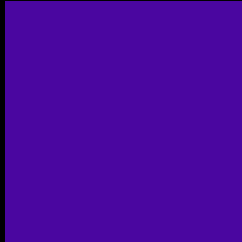
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.284, 310.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

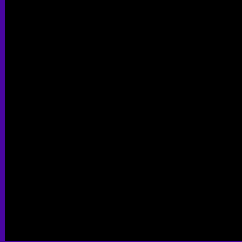
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 87.284, 310.866

Background



This preview shows how black text looks on a background with the CIELCh color 24, 87.284, 310.866.



This preview shows how white text looks on a background with the CIELCh color 24, 87.284, 310.866.

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, 87.284, 310.866

Protanopia

25, 41.838, 284.630

Deuteranopia

25, 29.443, 270.387



Tritanopia
25, 8.212, 222.105

Trichromacy



Original Color
24, 87.284, 310.866

Protanomaly
21, 63.117, 300.207

Deuteranomaly
21, 55.116, 298.050

Tritanomaly
22, 39.655, 303.420

Monochromacy



Original Color
24, 87.284, 310.866

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 38.899, 310.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 87.284, 310.866 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(74, 6, 160)` looks like.

```
.text, #text, p{  
    color:rgb(74, 6, 160)  
}
```

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(74, 6, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 6, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 87.284, 310.866 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(74, 6, 160) }
```

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

```
.border{ border-color:rgb(74, 6, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 6, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 6, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 6, 160);  
box-shadow:4px 4px 4px 4px rgb(74, 6, 160)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 87.284, 310.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 6, 160) }
```

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

```
.background{ background-color: rgb(74, 6,  
160) }
```

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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