

Converting Colors

CIELCh(24, 89.825, 310.180)

Have a look what the booklet for
CIELCh(24, 89.825, 310.180)
contains.

CIELCh(24, 89.837, 310.178)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 89.837, 310.178)

Conversions

Conversions Part 1

Format	Color
Hex	4605A4
RGB	70, 5, 164
RGB Percent	27%, 2%, 64%
CMY	0.7251, 0.9799, 0.3565
CMYK	0.57, 0.97, 0.00, 0.36
HSL	265°, 94%, 33%
HSV	265°, 97%, 64%
XYZ	9.2966, 4.1002, 35.4627
YIQ	42.5610, -12.2990, 63.2290

Conversions

Conversions Part 2

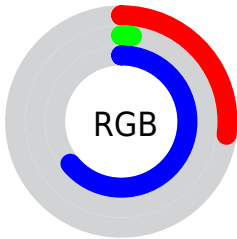
Format	Color
RYB	70, 5, 164
Decimal	4588964
CIELab	24.00, 57.96, -68.64
CIELCh	24, 89.837, 310.178
Yxy	4.1002, 0.1903, 0.0839
Android (android.graphics.Color)	4282779044 (0xFF4605A4)
YUV	42.5610, 59.8694, 24.0640
Hunter-Lab	20.2490, 46.5165, -89.6623

Details

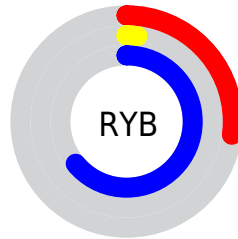
The CIELCh color **24, 89.837, 310.178** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 75.051, 124.277**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 89.695, 310.209**, and **10, 72.489, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 91.364, 310.121**, and if you desaturate by 10%, it is **27, 84.543, 310.401**.

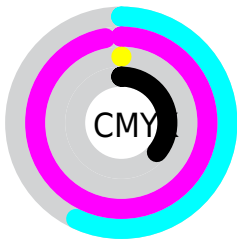
Distribution



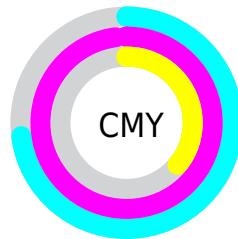
- Red (27%)
- Green (2%)
- Blue (64%)



- Red (27%)
- Yellow (2%)
- Blue (64%)



- Cyan (57%)
- Magenta (97%)
- Yellow (0%)
- Black (36%)



- Cyan (73%)
- Magenta (98%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 89.837, 310.178 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, 89.837, 310.178 by changing the saturation by 10% instead.

 24, 89.837,
310.178

 24, 89.837,
310.178

 100, 89.837,
310.178

 14, 89.837,
310.178


 44, 89.837,
310.178

 4, 89.837, 310.178

 54, 89.837,
310.178

 0, 89.837, 310.178

 64, 89.837,
310.178

 74, 89.837,
310.178

 84, 89.837,
310.178

 94, 89.837,

310.178

■ 24, 89.837,
310.178

■ 24, 89.837,
310.178

■ 23, 91.364,
310.121

■ 27, 84.543,
310.401

■ 30, 76.983,
310.247

■ 34, 67.786,
309.810

■ 39, 57.696,
309.218

■ 43, 47.245,
308.561

■ 48, 36.762,
307.898

■ 54, 26.433,
307.265

■ 59, 16.353,
306.678

■ 64, 6.565, 306.141

Harmonies

Complementary

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



24, 89.837, 310.178



61, 75.051, 124.277

Rectangle

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



24, 89.837, 310.178



24, 89.837, 0.178



24, 89.837, 130.178



24, 89.837, 180.178

Sweetspot

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



24, 89.838, 310.179



67, 35.561, 307.429



41, 40.948, 270.422



33, 24.493, 307.686



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



24, 89.838, 310.179



32, 111.659, 309.920



36, 82.902, 324.445



32, 5.392, 306.265



20, 83.490, 310.231



1, 8.227, 304.413

Inverse Universe

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



36, 62.375, 352.474



47, 76.201, 354.006



59, 84.661, 135.585



32, 4.701, 339.696



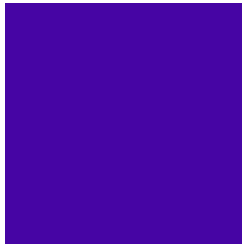
31, 57.459, 352.991



1, 6.972, 341.765

Previews

White Background



This preview shows how the CIE LCh color 24, 89.837, 310.178 looks on a white background.

Color Contrast Check

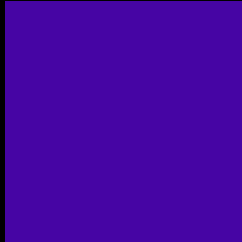
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.837, 310.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

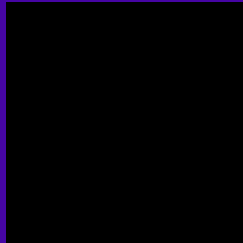
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 89.837, 310.178

Background



This preview shows how black text looks on a background with the CIELCh color 24, 89.837, 310.178.



This preview shows how white text looks on a background with the CIELCh color 24, 89.837, 310.178.

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, 89.837, 310.178

Protanopia

25, 41.838, 284.630

Deuteranopia

25, 29.443, 270.387



Tritanopia
25, 11.904, 213.848

Trichromacy



Original Color
24, 89.837, 310.178

Protanomaly
21, 64.333, 300.166

Deuteranomaly
21, 55.766, 297.896

Tritanomaly
21, 40.879, 299.662

Monochromacy



Original Color
24, 89.837, 310.178

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 40.189, 309.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 89.837, 310.178 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(70, 5, 164)` looks like.

```
.text, #text, p{  
    color:rgb(70, 5, 164)  
}
```

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(70, 5, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 5, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 89.837, 310.178 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(70, 5, 164) }
```

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

```
.border{ border-color:rgb(70, 5, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 5, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 5, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 5, 164);  
box-shadow:4px 4px 4px 4px rgb(70, 5, 164)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 89.837, 310.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 5, 164) }
```

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

```
.background{ background-color: rgb(70, 5,  
164) }
```

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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