

Converting Colors

CIELCh(24, 79.027, 300.621)

Have a look what the booklet for
CIELCh(24, 79.027, 300.621)
contains.

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Color

CIELCh(24, 79.285, 300.753)

Conversions

Conversions Part 1

Format	Color
Hex	0027A3
RGB	0, 39, 163
RGB Percent	0%, 15%, 64%
CMY	0.9993, 0.8469, 0.3606
CMYK	1.00, 0.76, 0.00, 0.36
HSL	226°, 100%, 32%
HSV	226°, 100%, 64%
XYZ	7.3433, 4.1002, 35.0749
YIQ	41.4750, -63.0480, 30.2960

Conversions

Conversions Part 2

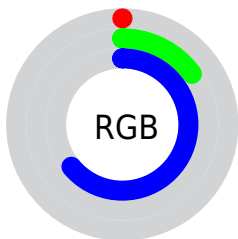
Format	Color
R_{YB}	0, 31, 163
Decimal	10147
CIE _{Lab}	24.00, 40.54, -68.14
CIE _{LCh}	24, 79.285, 300.753
Yxy	4.1002, 0.1579, 0.0881
Android (android.graphics.Color)	4278200227 (0xFF0027A3)
YUV	41.4750, 59.9118, -36.3736
Hunter-Lab	20.2490, 29.2977, -88.5267

Details

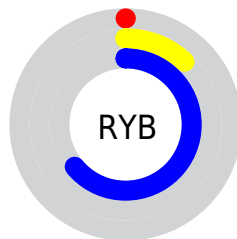
The CIELCh color **24, 79.285, 300.753** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **54, 60.239, 84.675**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 79.176, 300.774**, and **10, 72.025, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 79.376, 300.783**, and if you desaturate by 10%, it is **27, 71.087, 297.893**.

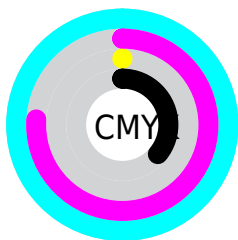
Distribution



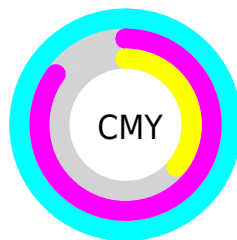
- Red (0%)
- Green (15%)
- Blue (64%)



- Red (0%)
- Yellow (12%)
- Blue (64%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (85%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 79.285, 300.753 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, 79.285, 300.753 by changing the saturation by 10% instead.

 24, 79.285,
300.753

 24, 79.285,
300.753

 100, 79.285,
300.753


 14, 79.285,
300.753


 44, 79.285,
300.753


 4, 79.285, 300.753

 54, 79.285,
300.753

 0, 79.285, 300.753

 64, 79.285,
300.753

 74, 79.285,
300.753

 84, 79.285,
300.753

 94, 79.285,

300.753

■ 24, 79.285,
300.753

■ 24, 79.285,
300.753

■ 24, 79.376,
300.783

■ 27, 71.087,
297.893

■ 31, 62.468,
294.771

■ 35, 53.842,
291.713

■ 39, 45.420,
288.879

■ 44, 37.262,
286.348

■ 48, 29.363,
284.139

■ 53, 21.701,
282.234

■ 58, 14.252,
280.600

■ 62, 6.999, 279.207

Harmonies

Complementary

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



24, 79.285, 300.753



54, 60.239, 84.675

Rectangle

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



24, 79.285, 300.753



24, 79.285, 350.753



24, 79.285, 120.753



24, 79.285, 170.753

Sweetspot

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



24, 79.286, 300.754



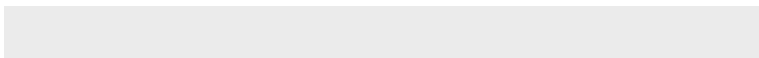
68, 26.963, 282.352



60, 47.267, 166.309



33, 18.644, 283.090



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, 79.286, 300.754



32, 98.061, 301.326



21, 93.514, 307.807



32, 4.005, 279.128



21, 72.293, 300.490



1, 6.325, 279.422

Inverse Universe

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



34, 64.573, 25.783



44, 79.132, 26.983



62, 72.014, 117.245



32, 3.809, 1.154



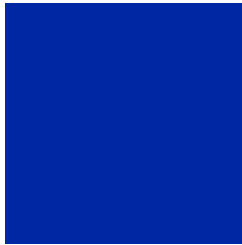
30, 59.152, 25.235



1, 5.749, 2.029

Previews

White Background



This preview shows how the CIE LCh color 24, 79.285, 300.753 looks on a white background.

Color Contrast Check

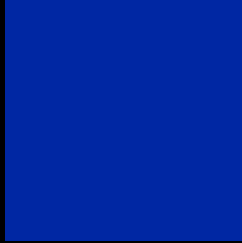
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.285, 300.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

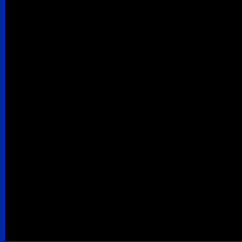
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 79.285, 300.753

Background



This preview shows how black text looks on a background with the CIELCh color 24, 79.285, 300.753.



This preview shows how white text looks on a background with the CIELCh color 24, 79.285, 300.753.

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, 79.285, 300.753

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 28.344, 269.109



Tritanopia
24, 18.078, 205.125

Trichromacy



Original Color
24, 79.285, 300.753

Protanomaly
24, 55.210, 293.144

Deuteranomaly
23, 47.102, 289.209

Tritanomaly
23, 32.932, 277.676

Monochromacy



Original Color
24, 79.285, 300.753

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 31.022, 290.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 79.285, 300.753 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(0, 39, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 39, 163)  
}
```

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(0, 39, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 39, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 79.285, 300.753 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(0, 39, 163) }
```

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

```
.border{ border-color:rgb(0, 39, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 39, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 39, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 39, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 39, 163)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 79.285, 300.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 39, 163) }
```

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

```
.background{ background-color: rgb(0, 39,  
163) }
```

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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