

Converting Colors

CIELCh(31, 79.822, 294.350)

Have a look what the booklet for
CIELCh(31, 79.822, 294.350)
contains.

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Color

CIELCh(32, 78.782, 296.770)

Conversions

Conversions Part 1

Format	Color
Hex	003EBD
RGB	0, 62, 189
RGB Percent	0%, 24%, 74%
CMY	1.0000, 0.7566, 0.2595
CMYK	1.00, 0.67, 0.00, 0.26
HSL	220°, 100%, 37%
HSV	220°, 100%, 74%
XYZ	10.8274, 7.0852, 48.8393
YIQ	57.9400, -77.7190, 26.3530

Conversions

Conversions Part 2

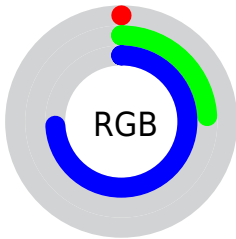
Format	Color
RYB	0, 47, 189
Decimal	16061
CIELab	32.00, 35.48, -70.34
CIElCh	32, 78.782, 296.770
Yxy	7.0852, 0.1622, 0.1061
Android (android.graphics.Color)	4278206141 (0xFF003EBD)
YUV	57.9400, 64.6126, -50.8134
Hunter-Lab	26.6180, 26.0268, -90.1542

Details

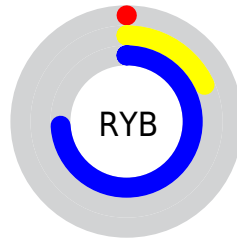
The CIELCh color **32, 78.782, 296.770** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **58, 65.865, 76.035**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 78.820, 296.990**, and **17, 74.192, 303.101** is the 20% darker color. If you saturate the color by 10%, you get **32, 78.742, 296.914**, and if you desaturate by 10%, it is **36, 70.223, 293.452**.

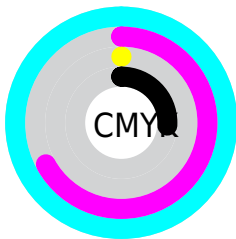
Distribution



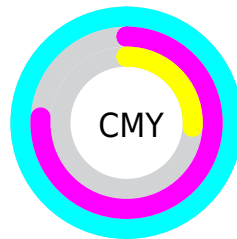
- Red (0%)
- Green (24%)
- Blue (74%)



- Red (0%)
- Yellow (18%)
- Blue (74%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (76%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 78.782, 296.770 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 32, 78.782, 296.770 by changing the saturation by 10% instead.


 32, 78.782,
296.770


 32, 78.782,
296.770

 100, 78.782,
296.770


 22, 78.782,
296.770

 52, 78.782,
296.770


 12, 78.782,
296.770


 62, 78.782,
296.770

 2, 78.782, 296.770

 72, 78.782,
296.770

 0, 78.782, 296.770

 82, 78.782,
296.770

 92, 78.782,
296.770

■ 32, 78.782,
296.770

■ 32, 78.782,
296.770

■ 32, 78.742,
296.914

■ 36, 70.223,
293.452

■ 40, 61.698,
289.858

■ 44, 53.345,
286.428

■ 48, 45.221,
283.300

■ 53, 37.309,
280.534

■ 57, 29.577,
278.136

■ 62, 21.995,
276.077

■ 67, 14.545,

274.318

■ 72, 7.217, 272.823

Harmonies

Complementary

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



32, 78.782, 296.770



58, 65.865, 76.035

Rectangle

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



32, 78.782, 296.770



32, 78.782, 346.770



32, 78.782, 116.770



32, 78.782, 166.770

Sweetspot

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



32, 78.742, 296.914



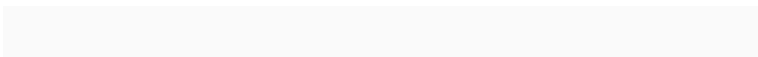
79, 27.170, 276.169



68, 58.785, 159.272



39, 18.595, 277.004



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



32, 78.742, 296.914



42, 97.308, 297.493



24, 105.575, 306.991



37, 4.086, 272.735



27, 68.080, 296.419



3, 13.514, 279.015

Inverse Universe

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



40, 69.108, 18.574



52, 84.365, 19.573



72, 78.765, 112.860



37, 4.486, 354.818



33, 60.389, 17.741



3, 12.957, 1.165

Previews

White Background



This preview shows how the CIE LCh color 32, 78.782, 296.770 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 32, 78.782, 296.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

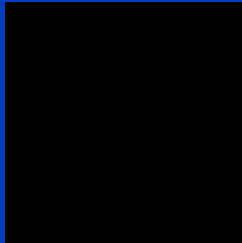
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 78.782, 296.770

Background



This preview shows how black text looks on a background with the CIELCh color 32, 78.782, 296.770.



This preview shows how white text looks on a background with the CIELCh color 32, 78.782, 296.770.

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


32, 78.881, 296.951

Protanopia

32, 51.434, 285.850

Deuteranopia

32, 35.452, 271.396



Tritanopia
32, 21.700, 205.080

Trichromacy



Original Color
32, 78.881, 296.951

Protanomaly
32, 61.662, 291.149

Deuteranomaly
32, 50.921, 285.828

Tritanomaly
31, 33.332, 269.373

Monochromacy



Original Color
32, 78.881, 296.951

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 31.088, 284.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 78.782, 296.770 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, 62, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 189)  
}
```

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, 62, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 78.782, 296.770 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, 62, 189) }
```

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

```
.border{ border-color:rgb(0, 62, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 62, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 62, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 62, 189)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 78.782, 296.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 189) }
```

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

```
.background{ background-color: rgb(0, 62,  
189) }
```

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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