

Converting Colors

CIELCh(32, 57.735, 289.113)

Have a look what the booklet for
CIELCh(32, 57.735, 289.113)
contains.

CIELCh(32, 57.413, 289.106)	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(32, 57.413, 289.106)

Conversions

Conversions Part 1

Format	Color
Hex	0047A2
RGB	0, 71, 162
RGB Percent	0%, 28%, 64%
CMY	1.0000, 0.7222, 0.3654
CMYK	1.00, 0.56, 0.00, 0.37
HSL	214°, 100%, 32%
HSV	214°, 100%, 63%
XYZ	8.7409, 7.0852, 35.0040
YIQ	60.1450, -71.5270, 13.2490

Conversions

Conversions Part 2

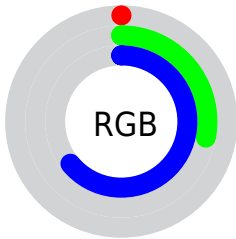
Format	Color
R _Y B	0, 49, 162
Decimal	18338
CIE Lab	32.00, 18.79, -54.25
CIE LCh	32, 57.413, 289.106
Yxy	7.0852, 0.1720, 0.1394
Android (android.graphics.Color)	4278208418 (0xFF0047A2)
YUV	60.1450, 50.2145, -52.7472
Hunter-Lab	26.6180, 12.0353, -59.3368

Details

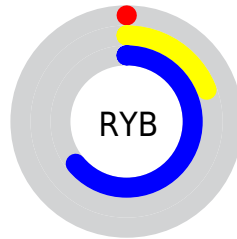
The CIELCh color **32, 57.413, 289.106** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **46, 59.329, 66.337**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 57.406, 288.936**, and **15, 55.018, 298.336** is the 20% darker color. If you saturate the color by 10%, you get **32, 57.408, 289.138**, and if you desaturate by 10%, it is **35, 51.331, 285.127**.

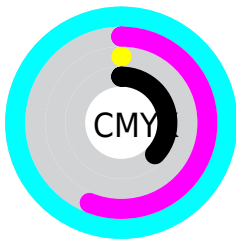
Distribution



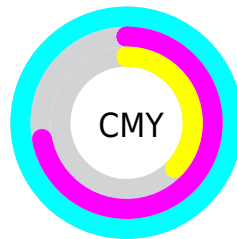
- Red (0%)
- Green (28%)
- Blue (64%)



- Red (0%)
- Yellow (19%)
- Blue (64%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (72%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 57.413, 289.106 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, 57.413, 289.106 by changing the saturation by 10% instead.


 32, 57.413,
289.106


 32, 57.413,
289.106


 100, 57.413,
289.106


 22, 57.413,
289.106

 52, 57.413,
289.106


 12, 57.413,
289.106


 62, 57.413,
289.106

 2, 57.413, 289.106

 72, 57.413,
289.106

 0, 57.413, 289.106

 82, 57.413,
289.106

 92, 57.413,
289.106

■ 32, 57.413,
289.106

■ 32, 57.413,
289.106

■ 32, 57.408,
289.138

■ 35, 51.331,
285.127

■ 38, 45.435,
281.095

■ 41, 39.672,
277.363

■ 45, 33.992,
274.031

■ 48, 28.343,
271.127

■ 52, 22.696,
268.635

■ 55, 17.035,
266.514

■ 59, 11.361,

264.715

■ 63, 5.681, 263.200

Harmonies

Complementary

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



32, 57.413, 289.106



46, 59.329, 66.337

Rectangle

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



32, 57.413, 289.106



32, 57.413, 339.106



32, 57.413, 109.106



32, 57.413, 159.106

Sweetspot

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



32, 57.408, 289.138



70, 20.988, 266.622



59, 59.785, 152.053



35, 14.286, 267.424



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



32, 57.408, 289.138



42, 70.808, 289.954



19, 94.960, 306.460



33, 3.236, 263.101



29, 52.564, 288.730



2, 5.236, 265.733

Inverse Universe

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



34, 60.086, 7.451



45, 72.731, 8.445



64, 69.098, 105.907



32, 4.240, 347.892



30, 55.535, 6.967



1, 6.344, 349.620

Previews

White Background



This preview shows how the CIELCh color 32, 57.413, 289.106 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 CIE LCh color 32, 57.413, 289.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

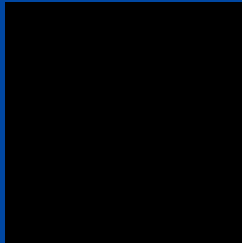
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 57.413, 289.106

Background



This preview shows how black text looks on a background with the CIELCh color 32, 57.413, 289.106.



This preview shows how white text looks on a background with the CIELCh color 32, 57.413, 289.106.

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, 57.413, 289.106

Protanopia

32, 52.016, 286.153

Deuteranopia

32, 37.065, 273.679



Tritanopia
32, 21.700, 205.080

Trichromacy



Original Color
32, 57.413, 289.106

Protanomaly
32, 53.836, 287.294

Deuteranomaly
32, 43.818, 280.515

Tritanomaly
31, 27.211, 256.153

Monochromacy



Original Color
32, 57.413, 289.106

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 22.556, 273.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 57.413, 289.106 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, 71, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 162)  
}
```

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, 71, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 57.413, 289.106 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, 71, 162) }
```

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

```
.border{ border-color:rgb(0, 71, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 71, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 71, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 71, 162)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 57.413, 289.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 71, 162) }
```

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

```
.background{ background-color: rgb(0, 71,  
162) }
```

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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