

Converting Colors

CIELCh(32, 91.002, 300.018)

Have a look what the booklet for
CIELCh(32, 91.002, 300.018)
contains.

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Color

CIELCh(32, 90.875, 300.002)

Conversions

Conversions Part 1

Format	Color
Hex	0537CB
RGB	5, 55, 203
RGB Percent	2%, 22%, 80%
CMY	0.9823, 0.7840, 0.2035
CMYK	0.98, 0.73, 0.00, 0.20
HSL	225°, 96%, 41%
HSV	225°, 98%, 80%
XYZ	12.2172, 7.0852, 57.2851
YIQ	56.9220, -77.3080, 35.4280

Conversions

Conversions Part 2

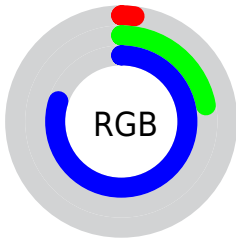
Format	Color
RYB	5, 45, 203
Decimal	341963
CIELab	32.00, 45.44, -78.70
CIELCh	32, 90.875, 300.002
Yxy	7.0852, 0.1595, 0.0925
Android (android.graphics.Color)	4278532043 (0xFF0537CB)
YUV	56.9220, 72.0165, -45.5356
Hunter-Lab	26.6180, 35.3468, -108.9667

Details

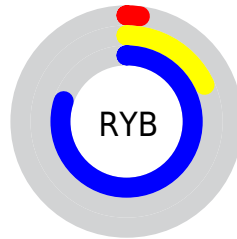
The CIELCh color **32, 90.875, 300.002** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **66, 70.013, 83.270**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.258, 299.670**, and **17, 84.350, 304.871** is the 20% darker color. If you saturate the color by 10%, you get **31, 92.944, 300.614**, and if you desaturate by 10%, it is **36, 81.122, 296.901**.

Distribution



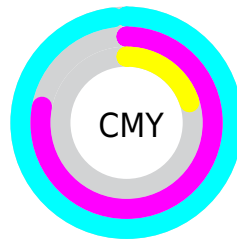
- Red (2%)
- Green (22%)
- Blue (80%)



- Red (2%)
- Yellow (18%)
- Blue (80%)



- Cyan (98%)
- Magenta (73%)
- Yellow (0%)
- Black (20%)





- Cyan (98%)
- Magenta (78%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 90.875, 300.002 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, 90.875, 300.002 by changing the saturation by 10% instead.


 32, 90.875,
300.002


 32, 90.875,
300.002

 100, 90.875,
300.002


 22, 90.875,
300.002

 52, 90.875,
300.002


 12, 90.875,
300.002


 62, 90.875,
300.002

 2, 90.875, 300.002

 72, 90.875,
300.002

 0, 90.875, 300.002

 82, 90.875,
300.002

 92, 90.875,
300.002

■ 32, 90.875,
300.002

■ 32, 90.875,
300.002

■ 31, 92.944,
300.614

■ 36, 81.122,
296.901

■ 40, 70.997,
293.649

■ 45, 60.949,
290.503

■ 50, 51.169,
287.616

■ 56, 41.698,
285.055

■ 61, 32.518,
282.832

■ 67, 23.600,
280.922

■ 72, 14.918,

279.289

■ 77, 6.450, 277.904

Harmonies

Complementary

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



32, 90.875, 300.002



66, 70.013, 83.270

Rectangle

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



32, 90.875, 300.002



32, 90.875, 350.002



32, 90.875, 120.002



32, 90.875, 170.002

Sweetspot

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



32, 90.876, 300.003



81, 29.703, 281.210



73, 56.598, 164.915



40, 20.495, 282.019



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



32, 90.876, 300.003



40, 111.734, 301.013



27, 109.459, 307.482



40, 4.732, 278.112



25, 78.801, 300.166



3, 19.458, 285.149

Inverse Universe

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



43, 74.845, 24.326



54, 90.622, 26.318



76, 83.972, 116.404



40, 4.615, 0.013



34, 64.846, 24.579



4, 18.381, 7.077

Previews

White Background



This preview shows how the CIE LCh color 32, 90.875, 300.002 looks on a white background.

Color Contrast Check

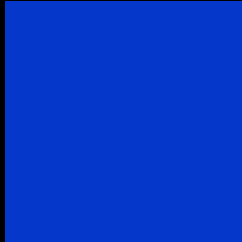
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.875, 300.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

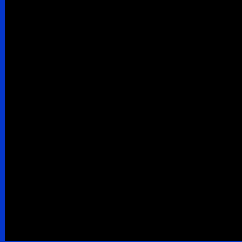
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 90.875, 300.002

Background



This preview shows how black text looks on a background with the CIELCh color 32, 90.875, 300.002.



This preview shows how white text looks on a background with the CIELCh color 32, 90.875, 300.002.

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, 90.865, 300.023

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 35.450, 271.780



Tritanopia
32, 21.794, 203.303

Trichromacy



Original Color
32, 90.865, 300.023

Protanomaly
31, 65.986, 293.225

Deuteranomaly
31, 55.809, 289.001

Tritanomaly
30, 37.630, 275.968

Monochromacy



Original Color
32, 90.865, 300.023

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 35.574, 289.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 90.875, 300.002 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(5, 55, 203)` looks like.

```
.text, #text, p{  
    color:rgb(5, 55, 203)  
}
```

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(5, 55, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 55, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 90.875, 300.002 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(5, 55, 203) }
```

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

```
.border{ border-color:rgb(5, 55, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 55, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 55, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 55, 203);  
box-shadow:4px 4px 4px 4px rgb(5, 55, 203)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 90.875, 300.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 55, 203) }
```

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

```
.background{ background-color: rgb(5, 55,  
203) }
```

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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