

Converting Colors

CIELCh(32, 100.979, 301.953)

Have a look what the booklet for
CIELCh(32, 100.979, 301.953)
contains.

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Color

CIELCh(32, 101.080, 301.996)

Conversions

Conversions Part 1

Format	Color
Hex	0630D7
RGB	6, 48, 215
RGB Percent	2%, 19%, 84%
CMY	0.9756, 0.8111, 0.1560
CMYK	0.97, 0.78, 0.00, 0.16
HSL	228°, 94%, 43%
HSV	228°, 97%, 84%
XYZ	13.4346, 7.0852, 65.0937
YIQ	54.4800, -78.6390, 43.0330

Conversions

Conversions Part 2

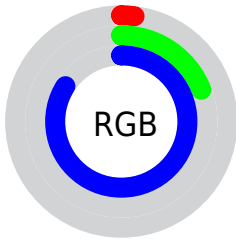
Format	Color
R _Y B	6, 41, 215
Decimal	405719
CIE Lab	32.00, 53.56, -85.72
CIE LCh	32, 101.080, 301.996
Yxy	7.0852, 0.1569, 0.0828
Android (android.graphics.Color)	4278595799 (0xFF0630D7)
YUV	54.4800, 79.1364, -42.5170
Hunter-Lab	26.6180, 43.5111, -126.3599

Details

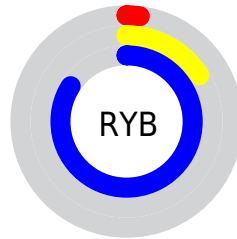
The CIELCh color **32, 101.080, 301.996** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **73, 74.581, 88.084**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 91.389, 301.711**, and **18, 93.077, 306.015** is the 20% darker color. If you saturate the color by 10%, you get **31, 103.788, 302.677**, and if you desaturate by 10%, it is **36, 90.725, 299.236**.

Distribution



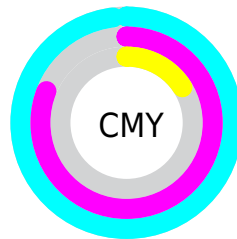
- Red (2%)
- Green (19%)
- Blue (84%)



- Red (2%)
- Yellow (16%)
- Blue (84%)



- Cyan (97%)
- Magenta (78%)
- Yellow (0%)
- Black (16%)





- Cyan (98%)
- Magenta (81%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 101.080, 301.996 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, 101.080, 301.996 by changing the saturation by 10% instead.


 32, 101.080,
301.996


 32, 101.080,
301.996


 100, 101.080,
301.996


 22, 101.080,
301.996


 52, 101.080,
301.996


 12, 101.080,
301.996


 62, 101.080,
301.996

 2, 101.080,
301.996

 72, 101.080,
301.996

 0, 101.080,
301.996

 82, 101.080,
301.996

 92, 101.080,
301.996

■ 32, 101.080,
301.996

■ 32, 101.080,
301.996

■ 31, 103.788,
302.677

■ 36, 90.725,
299.236

■ 41, 79.477,
296.238

■ 46, 68.100,
293.276

■ 52, 56.964,
290.526

■ 58, 46.191,
288.076

■ 64, 35.791,
285.944

■ 70, 25.739,
284.112

■ 76, 16.003,

282.548

■ 82, 6.556, 281.222

Harmonies

Complementary

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



32, 101.080, 301.996



73, 74.581, 88.084

Rectangle

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



32, 101.080, 301.996



32, 101.080, 351.996



32, 101.080, 121.996



32, 101.080, 171.996

Sweetspot

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



32, 101.082, 301.997



80, 31.709, 284.487



77, 55.410, 169.525



40, 21.905, 285.267



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, 101.082, 301.997



37, 118.917, 302.918



30, 113.227, 308.053



42, 5.234, 281.508



24, 86.201, 302.267



3, 23.790, 289.013

Inverse Universe

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



45, 80.540, 28.537



53, 93.866, 30.570



79, 88.799, 118.927



42, 4.704, 4.015



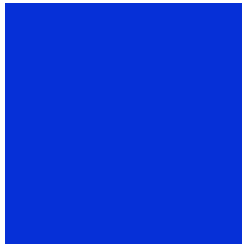
36, 68.605, 29.058



5, 22.056, 10.839

Previews

White Background



This preview shows how the CIE LCh color 32, 101.080, 301.996 looks on a white background.

Color Contrast Check

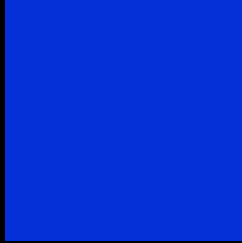
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.080, 301.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

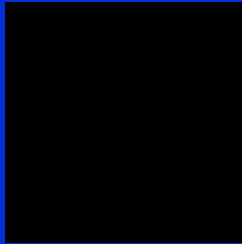
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 101.080, 301.996

Background



This preview shows how black text looks on a background with the CIELCh color 32, 101.080, 301.996.



This preview shows how white text looks on a background with the CIELCh color 32, 101.080, 301.996.

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, 101.068, 302.012

Protanopia

32, 50.921, 285.828

Deuteranopia

32, 34.918, 271.109



Tritanopia
32, 21.612, 203.376

Trichromacy



Original Color
32, 101.068, 302.012

Protanomaly
31, 70.306, 294.958

Deuteranomaly
31, 58.912, 290.684

Tritanomaly
30, 41.704, 280.613

Monochromacy



Original Color
32, 101.068, 302.012

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 39.571, 291.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 101.080, 301.996 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(6, 48, 215)` looks like.

```
.text, #text, p{  
    color:rgb(6, 48, 215)  
}
```

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(6, 48, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 48, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 101.080, 301.996 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(6, 48, 215) }
```

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

```
.border{ border-color:rgb(6, 48, 215) }
```

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

Here you see how a box with a 4 pixel rgb(6, 48, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 48, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 48, 215);  
box-shadow:4px 4px 4px 4px rgb(6, 48, 215)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 101.080, 301.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 48, 215) }
```

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

```
.background{ background-color: rgb(6, 48,  
215) }
```

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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