

Converting Colors

CIELCh(36, 103.352, 301.238)

Have a look what the booklet for
CIELCh(36, 103.352, 301.238)
contains.

CIELCh(36, 103.422, 301.301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(36, 103.422, 301.301)

Conversions

Conversions Part 1

Format	Color
Hex	153AE7
RGB	21, 58, 231
RGB Percent	8%, 23%, 91%
CMY	0.9191, 0.7712, 0.0925
CMYK	0.91, 0.75, 0.00, 0.09
HSL	229°, 84%, 49%
HSV	229°, 91%, 91%
XYZ	16.3136, 9.0082, 76.7903
YIQ	66.6590, -77.5850, 45.9590

Conversions

Conversions Part 2

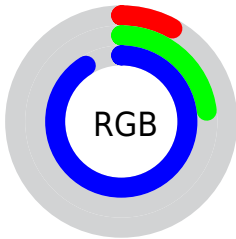
Format	Color
R_{YB}	21, 52, 231
Decimal	1391335
CIE _{Lab}	36.00, 53.73, -88.37
CIE _{LCh}	36, 103.422, 301.301
Yxy	9.0082, 0.1598, 0.0882
Android (android.graphics.Color)	4279581415 (0xFF153AE7)
YUV	66.6590, 81.0201, -40.0429
Hunter-Lab	30.0136, 44.4981, -130.6849




Details

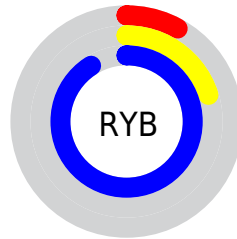
The CIELCh color **36, 103.422, 301.301** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **79, 78.446, 90.693**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **53, 84.608, 300.449**, and **21, 96.976, 305.307** is the 20% darker color. If you saturate the color by 10%, you get **33, 112.441, 303.433**, and if you desaturate by 10%, it is **41, 91.691, 298.490**.

Distribution







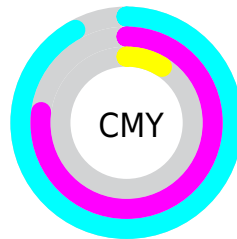
-  Red (8%)
-  Green (23%)
-  Blue (91%)






-  Red (8%)
-  Yellow (20%)
-  Blue (91%)



-  Cyan (91%)
-  Magenta (75%)
-  Yellow (0%)
-  Black (9%)





-  Cyan (92%)
-  Magenta (77%)
-  Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 103.422, 301.301 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 36, 103.422, 301.301 by changing the saturation by 10% instead.


 36, 103.422,
301.301


 36, 103.422,
301.301


 100, 103.422,
301.301


 26, 103.422,
301.301


 56, 103.422,
301.301


 16, 103.422,
301.301


 66, 103.422,
301.301

 6, 103.422,
301.301

 76, 103.422,
301.301

 0, 103.422,
301.301

 86, 103.422,
301.301

 96, 103.422,
301.301

■ 36, 103.422,
301.301

■ 36, 103.422,
301.301

■ 33, 112.441,
303.433

■ 41, 91.691,
298.490

■ 46, 79.324,
295.564

■ 52, 67.010,
292.759

■ 58, 55.040,
290.211

■ 65, 43.490,
287.972

■ 71, 32.352,
286.041

■ 78, 21.593,
284.390

■ 85, 11.182,

282.985

■ 91, 1.089, 281.912

Harmonies

Complementary

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



36, 103.422, 301.301



79, 78.446, 90.693

Rectangle

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



36, 103.422, 301.301



36, 103.422, 351.301



36, 103.422, 121.301



36, 103.422, 171.301

Sweetspot

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



36, 103.423, 301.302



81, 30.203, 285.358



83, 54.990, 173.860



41, 20.466, 285.950



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 103.423, 301.302



36, 121.502, 303.554



35, 115.694, 308.631



45, 5.676, 282.777



25, 91.351, 303.035



4, 29.534, 292.952

Inverse Universe

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



49, 82.798, 27.217



53, 95.263, 32.118



85, 92.934, 119.970



45, 4.943, 5.684



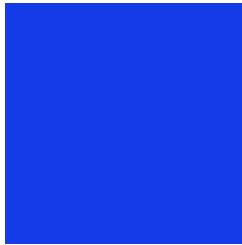
37, 72.010, 30.851



7, 26.688, 14.305

Previews

White Background



This preview shows how the CIELCh color 36, 103.422, 301.301 looks on a white background.

Color Contrast Check

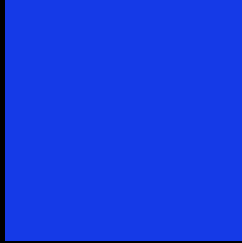
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 103.422, 301.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

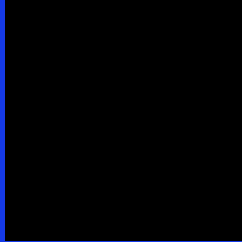
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 103.422, 301.301

Background



This preview shows how black text looks on a background with the CIELCh color 36, 103.422, 301.301.



This preview shows how white text looks on a background with the CIELCh color 36, 103.422, 301.301.

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

36, 103.393, 301.348

Protanopia

36, 55.500, 286.004

Deuteranopia

35, 38.626, 272.232



Tritanopia
35, 23.320, 204.331

Trichromacy



Original Color
36, 103.393, 301.348

Protanomaly
35, 73.254, 294.107

Deuteranomaly
35, 62.141, 290.230

Tritanomaly
34, 42.958, 279.038

Monochromacy



Original Color
36, 103.393, 301.348

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 40.390, 291.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 103.422, 301.301 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(21, 58, 231)` looks like.

```
.text, #text, p{  
    color:rgb(21, 58, 231)  
}
```

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(21, 58, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 58, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 103.422, 301.301 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(21, 58, 231) }
```

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

```
.border{ border-color:rgb(21, 58, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 58, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 58, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 58, 231);  
box-shadow:4px 4px 4px 4px rgb(21, 58,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 103.422, 301.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 58, 231) }
```

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

```
.background{ background-color: rgb(21, 58,  
231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor