

Converting Colors

CIELCh(36, 71.395, 292.970)

Have a look what the booklet for
CIELCh(36, 71.395, 292.970)
contains.

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Color

CIELCh(36, 71.298, 292.942)

Conversions

Conversions Part 1

Format	Color
Hex	044CC0
RGB	4, 76, 192
RGB Percent	2%, 30%, 75%
CMY	0.9835, 0.7018, 0.2469
CMYK	0.98, 0.60, 0.00, 0.25
HSL	217°, 96%, 38%
HSV	217°, 98%, 75%
XYZ	12.1581, 9.0082, 50.9915
YIQ	67.6960, -80.1480, 20.8120

Conversions

Conversions Part 2

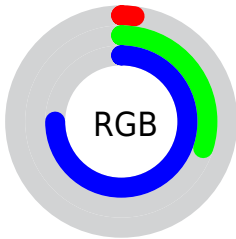
Format	Color
R_{YB}	4, 56, 192
Decimal	281792
CIE _{Lab}	36.00, 27.79, -65.66
CIE _{LCh}	36, 71.298, 292.942
Yxy	9.0082, 0.1685, 0.1248
Android (android.graphics.Color)	4278471872 (0xFF044CC0)
YUV	67.6960, 61.2819, -55.8614
Hunter-Lab	30.0136, 19.7844, -79.7210

Details

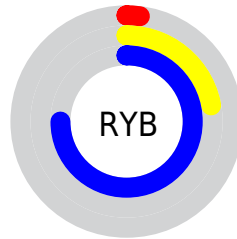
The CIELCh color **36, 71.298, 292.942** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **57, 66.018, 71.478**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 71.183, 293.032**, and **20, 68.029, 299.923** is the 20% darker color. If you saturate the color by 10%, you get **35, 73.046, 293.728**, and if you desaturate by 10%, it is **40, 63.413, 289.085**.

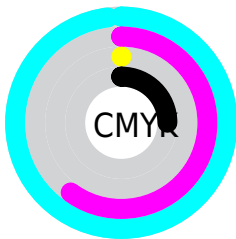
Distribution



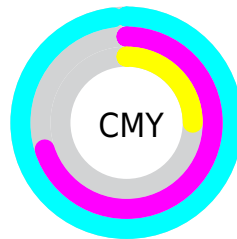
- Red (2%)
- Green (30%)
- Blue (75%)



- Red (2%)
- Yellow (22%)
- Blue (75%)



- Cyan (98%)
- Magenta (60%)
- Yellow (0%)
- Black (25%)





- Cyan (98%)
- Magenta (70%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 71.298, 292.942 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, 71.298, 292.942 by changing the saturation by 10% instead.


 36, 71.298,
292.942


 36, 71.298,
292.942

 100, 71.298,
292.942


 26, 71.298,
292.942

 56, 71.298,
292.942


 16, 71.298,
292.942


 66, 71.298,
292.942

 6, 71.298, 292.942

 76, 71.298,
292.942

 0, 71.298, 292.942

 86, 71.298,
292.942

 96, 71.298,
292.942

■ 36, 71.298,
292.942

■ 36, 71.298,
292.942

■ 35, 73.046,
293.728

■ 40, 63.413,
289.085

■ 43, 55.683,
285.268

■ 47, 48.151,
281.712

■ 52, 40.792,
278.522

■ 56, 33.560,
275.733

■ 61, 26.419,
273.332

■ 65, 19.347,
271.282

■ 70, 12.336,

269.539

■ 74, 5.387, 268.070

Harmonies

Complementary

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



36, 71.298, 292.942



57, 66.018, 71.478

Rectangle

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



36, 71.298, 292.942



36, 71.298, 342.942



36, 71.298, 112.942



36, 71.298, 162.942

Sweetspot

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



36, 71.298, 292.944



82, 25.008, 271.600



69, 62.516, 156.250



41, 17.188, 272.465



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



36, 71.298, 292.944



46, 90.568, 294.368



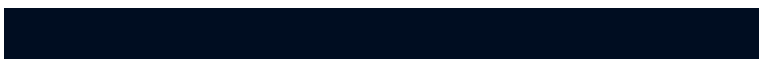
24, 106.292, 306.550



38, 3.944, 268.281



29, 63.097, 293.186



4, 14.436, 277.417

Inverse Universe

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



41, 68.216, 12.463



53, 84.068, 14.491



74, 78.578, 109.892



38, 4.726, 351.312



34, 60.164, 12.752



3, 14.998, 359.142

Previews

White Background



This preview shows how the CIE LCh color 36, 71.298, 292.942 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 36, 71.298, 292.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

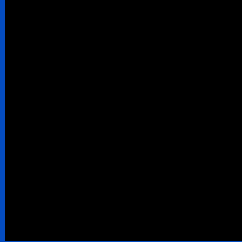
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 71.298, 292.942

Background



This preview shows how black text looks on a background with the CIELCh color 36, 71.298, 292.942.



This preview shows how white text looks on a background with the CIELCh color 36, 71.298, 292.942.

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, 71.298, 292.942

Protanopia

36, 57.215, 286.810

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 23.498, 204.256

Trichromacy



Original Color
36, 71.298, 292.942

Protanomaly
36, 62.504, 289.496

Deuteranomaly
36, 50.804, 283.133

Tritanomaly
35, 32.086, 262.839

Monochromacy



Original Color
36, 71.298, 292.942

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 27.521, 278.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 71.298, 292.942 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(4, 76, 192)` looks like.

```
.text, #text, p{  
    color:rgb(4, 76, 192)  
}
```

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(4, 76, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 76, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 71.298, 292.942 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(4, 76, 192) }
```

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

```
.border{ border-color:rgb(4, 76, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 76, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 76, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 76, 192);  
box-shadow:4px 4px 4px 4px rgb(4, 76, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 71.298, 292.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 76, 192) }
```

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

```
.background{ background-color: rgb(4, 76,  
192) }
```

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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