

Converting Colors

CIELCh(36, 88.677, 298.567)

Have a look what the booklet for
CIELCh(36, 88.677, 298.567)
contains.

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Color

CIELCh(36, 88.578, 298.553)

Conversions

Conversions Part 1

Format	Color
Hex	1843D5
RGB	24, 67, 213
RGB Percent	9%, 26%, 84%
CMY	0.9061, 0.7373, 0.1648
CMYK	0.89, 0.69, 0.00, 0.16
HSL	226°, 80%, 46%
HSV	226°, 89%, 84%
XYZ	14.3880, 9.0082, 63.9150
YIQ	70.7870, -72.4940, 36.2900

Conversions

Conversions Part 2

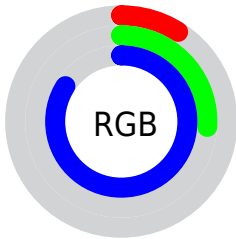
Format	Color
R_{YB}	24, 59, 213
Decimal	1590229
CIE _{Lab}	36.00, 42.34, -77.80
CIE _{LCh}	36, 88.578, 298.553
Yxy	9.0082, 0.1648, 0.1032
Android (android.graphics.Color)	4279780309 (0xFF1843D5)
YUV	70.7870, 70.1110, -41.0322
Hunter-Lab	30.0136, 33.0462, -105.2506

Details

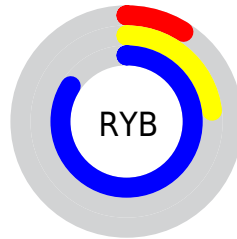
The CIELCh color **36, 88.578, 298.553** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **72, 71.090, 87.165**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 79.778, 297.866**, and **21, 84.015, 303.362** is the 20% darker color. If you saturate the color by 10%, you get **32, 98.682, 301.431**, and if you desaturate by 10%, it is **41, 77.758, 295.432**.

Distribution



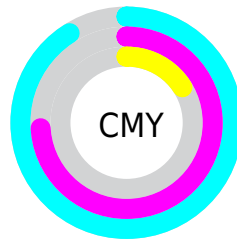
- Red (9%)
- Green (26%)
- Blue (84%)



- Red (9%)
- Yellow (23%)
- Blue (84%)



- Cyan (89%)
- Magenta (69%)
- Yellow (0%)
- Black (16%)





- Cyan (91%)
- Magenta (74%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 88.578, 298.553 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, 88.578, 298.553 by changing the saturation by 10% instead.


 36, 88.578,
298.553


 36, 88.578,
298.553

 100, 88.578,
298.553


 26, 88.578,
298.553

 56, 88.578,
298.553


 16, 88.578,
298.553


 66, 88.578,
298.553

 6, 88.578, 298.553

 76, 88.578,
298.553

 0, 88.578, 298.553

 86, 88.578,
298.553

 96, 88.578,
298.553

■ 36, 88.578,
298.553

■ 36, 88.578,
298.553

■ 32, 98.682,
301.431

■ 41, 77.758,
295.432

■ 32, 99.855,
301.742

■ 46, 66.864,
292.352

■ 51, 56.212,
289.491

■ 57, 45.901,
286.938

■ 63, 35.932,
284.713

■ 68, 26.276,
282.801

■ 74, 16.904,
281.167

■ 80, 7.790, 279.777

Harmonies

Complementary

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



36, 88.578, 298.553



72, 71.090, 87.165

Rectangle

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



36, 88.578, 298.553



36, 88.578, 348.553



36, 88.578, 118.553



36, 88.578, 168.553

Sweetspot

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



36, 88.579, 298.554



82, 28.495, 282.543



76, 54.072, 169.584



41, 19.295, 283.155



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, 88.579, 298.554



38, 115.449, 302.025



32, 107.563, 307.841



42, 5.078, 279.863



25, 83.560, 301.311



4, 23.297, 288.214

Inverse Universe

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



46, 74.242, 21.890



54, 92.192, 28.512



79, 85.094, 117.403



42, 4.751, 1.994



36, 67.447, 26.950



5, 22.100, 9.650

Previews

White Background



This preview shows how the CIE LCh color 36, 88.578, 298.553 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, 88.578, 298.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

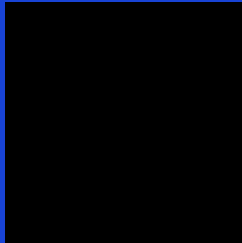
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 88.578, 298.553

Background



This preview shows how black text looks on a background with the CIELCh color 36, 88.578, 298.553.



This preview shows how white text looks on a background with the CIELCh color 36, 88.578, 298.553.

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, 88.578, 298.553

Protanopia

36, 56.072, 286.279

Deuteranopia

36, 38.625, 271.885



Tritanopia
35, 23.238, 205.965

Trichromacy



Original Color
36, 88.578, 298.553

Protanomaly
36, 67.860, 292.132

Deuteranomaly
35, 56.068, 286.965

Tritanomaly
35, 36.869, 271.926

Monochromacy



Original Color
36, 88.578, 298.553

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 33.815, 287.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 88.578, 298.553 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(24, 67, 213)` looks like.

```
.text, #text, p{  
    color:rgb(24, 67, 213)  
}
```

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(24, 67, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 67, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 88.578, 298.553 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(24, 67, 213) }
```

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

```
.border{ border-color:rgb(24, 67, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 67, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 67, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 67, 213);  
box-shadow:4px 4px 4px 4px rgb(24, 67,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 88.578, 298.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 67, 213) }
```

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

```
.background{ background-color: rgb(24, 67,  
213) }
```

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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