

Converting Colors

CIELCh(36, 87.349, 297.399)

Have a look what the booklet for
CIELCh(36, 87.349, 297.399)
contains.

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Color

CIELCh(36, 87.525, 297.456)

Conversions

Conversions Part 1

Format	Color
Hex	0045D5
RGB	0, 69, 213
RGB Percent	0%, 27%, 84%
CMY	1.0000, 0.7303, 0.1658
CMYK	1.00, 0.68, 0.00, 0.17
HSL	221°, 100%, 42%
HSV	221°, 100%, 83%
XYZ	14.0692, 9.0082, 63.7570
YIQ	64.7850, -87.3480, 30.1560

Conversions

Conversions Part 2

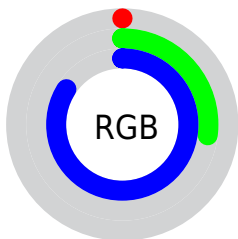
Format	Color
R _Y B	0, 52, 213
Decimal	17877
CIE Lab	36.00, 40.35, -77.67
CIE LCh	36, 87.525, 297.456
Yxy	9.0082, 0.1620, 0.1037
Android (android.graphics.Color)	4278207957 (0xFF0045D5)
YUV	64.7850, 73.0700, -56.8164
Hunter-Lab	30.0136, 31.1502, -104.9385

Details

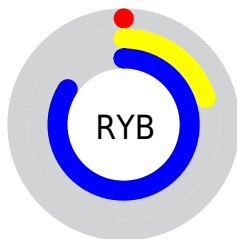
The CIELCh color **36, 87.525, 297.456** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **65, 72.017, 76.304**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 78.639, 296.468**, and **21, 82.988, 302.997** is the 20% darker color. If you saturate the color by 10%, you get **36, 87.516, 297.488**, and if you desaturate by 10%, it is **40, 78.090, 294.029**.

Distribution



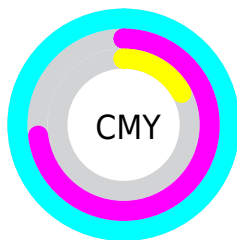
- Red (0%)
- Green (27%)
- Blue (84%)



- Red (0%)
- Yellow (20%)
- Blue (84%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (73%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 87.525, 297.456 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, 87.525, 297.456 by changing the saturation by 10% instead.


 36, 87.525,
297.456


 36, 87.525,
297.456

 100, 87.525,
297.456


 26, 87.525,
297.456

 56, 87.525,
297.456

 16, 87.525,
297.456


 66, 87.525,
297.456

 6, 87.525, 297.456

 76, 87.525,
297.456

 0, 87.525, 297.456

 86, 87.525,
297.456

 96, 87.525,
297.456

■ 36, 87.525,
297.456

■ 36, 87.525,
297.456

■ 36, 87.516,
297.488

■ 40, 78.090,
294.029

■ 44, 68.603,
290.429

■ 49, 59.291,
286.977

■ 54, 50.235,
283.822

■ 59, 41.424,
281.030

■ 64, 32.823,
278.608

■ 69, 24.397,
276.531

■ 75, 16.127,

274.758

■ 80, 7.999, 273.253

Harmonies

Complementary

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



36, 87.525, 297.456



65, 72.017, 76.304

Rectangle

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



36, 87.525, 297.456



36, 87.525, 347.456



36, 87.525, 117.456



36, 87.525, 167.456

Sweetspot

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



36, 87.516, 297.488



82, 28.272, 276.591



76, 64.469, 159.081



41, 19.361, 277.440



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, 87.516, 297.488



43, 101.432, 297.855



27, 115.490, 306.946



42, 4.564, 273.174



29, 73.165, 296.941



4, 21.401, 284.703

Inverse Universe

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



45, 75.885, 19.563



54, 87.284, 20.212



80, 86.126, 112.934



42, 4.967, 355.197



36, 64.177, 18.619



5, 22.359, 5.020

Previews

White Background



This preview shows how the CIELCh color 36, 87.525, 297.456 looks on a white background.

Color Contrast Check

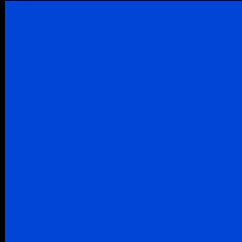
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.525, 297.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

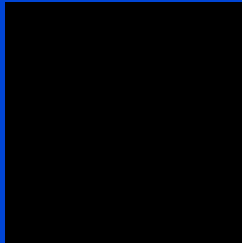
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 87.525, 297.456

Background



This preview shows how black text looks on a background with the CIELCh color 36, 87.525, 297.456.



This preview shows how white text looks on a background with the CIELCh color 36, 87.525, 297.456.

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, 87.525, 297.456

Protanopia

36, 56.643, 286.547

Deuteranopia

36, 39.150, 272.471



Tritanopia
36, 23.498, 204.256

Trichromacy



Original Color
36, 87.525, 297.456

Protanomaly
36, 67.827, 291.611

Deuteranomaly
35, 56.714, 286.802

Tritanomaly
35, 36.538, 270.104

Monochromacy



Original Color
36, 87.525, 297.456

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 34.392, 284.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 87.525, 297.456 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(0, 69, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 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(0, 69, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 87.525, 297.456 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(0, 69, 213) }
```

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

```
.border{ border-color:rgb(0, 69, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 69, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 69, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 69, 213)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 87.525, 297.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 213) }
```

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

```
.background{ background-color: rgb(0, 69,  
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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