

Converting Colors

CIELCh(36, 31.770, 260.370)

Have a look what the booklet for
CIELCh(36, 31.770, 260.370)
contains.

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Color

CIELCh(36, 31.821, 260.613)

Conversions

Conversions Part 1

Format	Color
Hex	005A87
RGB	0, 90, 135
RGB Percent	0%, 35%, 53%
CMY	1.0000, 0.6480, 0.4716
CMYK	1.00, 0.33, 0.00, 0.47
HSL	200°, 100%, 26%
HSV	200°, 100%, 53%
XYZ	7.9809, 9.0082, 24.1416
YIQ	68.2200, -68.0850, -5.0850

Conversions

Conversions Part 2

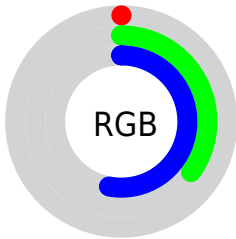
Format	Color
RYB	0, 54, 135
Decimal	23175
CIELab	36.00, -5.19, -31.39
CIELCh	36, 31.821, 260.613
Yxy	9.0082, 0.1940, 0.2190
Android (android.graphics.Color)	4278213255 (0xFF005A87)
YUV	68.2200, 32.9225, -59.8289
Hunter-Lab	30.0136, -5.0591, -26.6806

Details

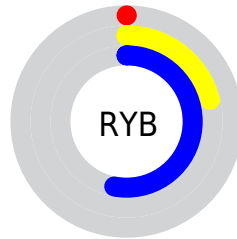
The CIELCh color **36, 31.821, 260.613** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 57.097, 49.978**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 31.939, 260.781**, and **18, 28.421, 276.861** is the 20% darker color. If you saturate the color by 10%, you get **36, 31.799, 260.687**, and if you desaturate by 10%, it is **38, 29.680, 256.155**.

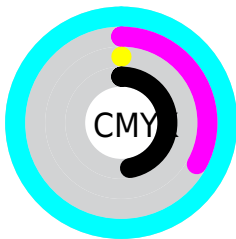
Distribution



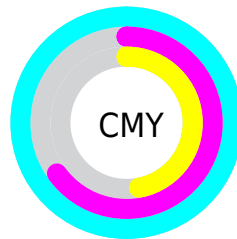
- Red (0%)
- Green (35%)
- Blue (53%)



- Red (0%)
- Yellow (21%)
- Blue (53%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (47%)





- Cyan (100%)
- Magenta (65%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 31.821, 260.613 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, 31.821, 260.613 by changing the saturation by 10% instead.


 36, 31.821,
260.613


 36, 31.821,
260.613

 100, 31.821,
260.613


 26, 31.821,
260.613

 56, 31.821,
260.613


 16, 31.821,
260.613


 66, 31.821,
260.613

 6, 31.821, 260.613

 76, 31.821,
260.613

 0, 31.821, 260.613

 86, 31.821,
260.613

 96, 31.821,
260.613

■ 36, 31.821,
260.613

■ 36, 31.821,
260.613

■ 36, 31.799,
260.687

■ 38, 29.680,
256.155

■ 39, 27.501,
251.888

■ 41, 25.078,
248.239

■ 43, 22.350,
245.196

■ 45, 19.295,
242.700

■ 47, 15.925,
240.674

■ 49, 12.271,
239.040

■ 52, 8.371, 237.730

Harmonies

Complementary

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



36, 31.821, 260.613



32, 57.097, 49.978

Rectangle

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



36, 31.821, 260.613



36, 31.821, 310.613



36, 31.821, 80.613



36, 31.821, 130.613

Sweetspot

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



36, 31.799, 260.687



63, 15.234, 239.140



49, 63.578, 142.795



32, 10.375, 239.707



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



36, 31.799, 260.687



47, 39.178, 261.955



17, 73.792, 302.822



27, 2.380, 236.628



35, 30.936, 260.494



0, 0.579, 235.771

Inverse Universe

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



29, 56.574, 346.793



39, 68.502, 347.363



48, 54.187, 91.063



26, 4.170, 336.268



28, 55.181, 346.708



0, 0.991, 335.683

Previews

White Background



This preview shows how the CIE LCh color 36, 31.821, 260.613 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, 31.821, 260.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

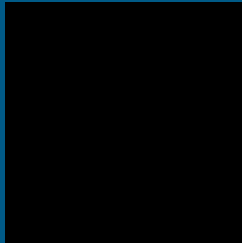
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 31.821, 260.613

Background



This preview shows how black text looks on a background with the CIELCh color 36, 31.821, 260.613.

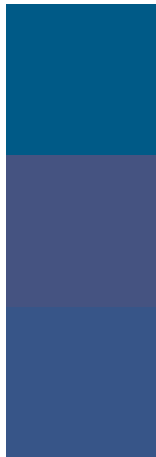


This preview shows how white text looks on a background with the CIELCh color 36, 31.821, 260.613.

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, 31.821, 260.613

Protanopia

36, 28.696, 285.664

Deuteranopia

36, 32.273, 279.539



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 31.821, 260.613

Protanomaly
35, 30.103, 272.410

Deuteranomaly
36, 32.297, 270.580

Tritanomaly
36, 23.921, 230.727

Monochromacy



Original Color
36, 31.821, 260.613

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 14.909, 241.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 31.821, 260.613 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, 90, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 135)  
}
```

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, 90, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 31.821, 260.613 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, 90, 135) }
```

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

```
.border{ border-color:rgb(0, 90, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 90, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 90, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 90, 135)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 31.821, 260.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 90, 135) }
```

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

```
.background{ background-color: rgb(0, 90,  
135) }
```

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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