

Converting Colors

CIELCh(36, 46.726, 279.757)

Have a look what the booklet for
CIELCh(36, 46.726, 279.757)
contains.

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Color

CIELCh(36, 46.800, 279.870)

Conversions

Conversions Part 1

Format	Color
Hex	00559F
RGB	0, 85, 159
RGB Percent	0%, 33%, 62%
CMY	0.9994, 0.6665, 0.3763
CMYK	1.00, 0.47, 0.00, 0.38
HSL	208°, 100%, 31%
HSV	208°, 100%, 62%
XYZ	9.5146, 9.0082, 34.0572
YIQ	68.0210, -74.4140, 4.9940

Conversions

Conversions Part 2

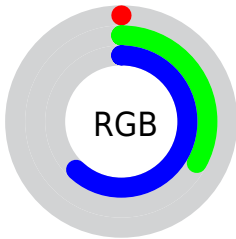
Format	Color
RYB	0, 55, 159
Decimal	21919
CIELab	36.00, 8.02, -46.11
CIElCh	36, 46.800, 279.870
Yxy	9.0082, 0.1810, 0.1713
Android (android.graphics.Color)	4278211999 (0xFF00559F)
YUV	68.0210, 44.8526, -59.6544
Hunter-Lab	30.0136, 4.0625, -46.2685

Details

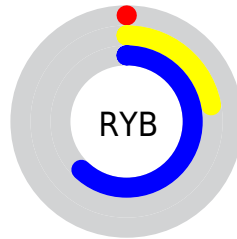
The CIELCh color **36, 46.800, 279.870** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 60.584, 58.345**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 46.660, 279.861**, and **19, 45.033, 291.465** is the 20% darker color. If you saturate the color by 10%, you get **36, 46.845, 279.913**, and if you desaturate by 10%, it is **38, 42.341, 275.383**.

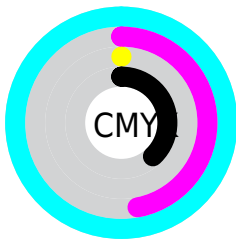
Distribution



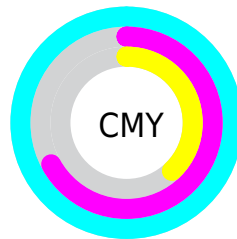
- Red (0%)
- Green (33%)
- Blue (62%)



- Red (0%)
- Yellow (22%)
- Blue (62%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (38%)





- Cyan (100%)
- Magenta (67%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 46.800, 279.870 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, 46.800, 279.870 by changing the saturation by 10% instead.


 36, 46.800,
279.870


 36, 46.800,
279.870

 100, 46.800,
279.870


 26, 46.800,
279.870

 56, 46.800,
279.870


 16, 46.800,
279.870


 66, 46.800,
279.870

 6, 46.800, 279.870

 76, 46.800,
279.870

 0, 46.800, 279.870

 86, 46.800,
279.870

 96, 46.800,
279.870

■ 36, 46.800,
279.870

■ 36, 46.800,
279.870

■ 36, 46.845,
279.913

■ 38, 42.341,
275.383

■ 41, 38.009,
270.996

■ 44, 33.675,
267.040

■ 47, 29.260,
263.588

■ 50, 24.714,
260.640

■ 53, 20.017,
258.154

■ 56, 15.172,
256.074

■ 59, 10.198,

254.339

■ 62, 5.116, 252.907

Harmonies

Complementary

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



36, 46.800, 279.870



42, 60.584, 58.345

Rectangle

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



36, 46.800, 279.870



36, 46.800, 329.870



36, 46.800, 99.870



36, 46.800, 149.870

Sweetspot

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



36, 46.800, 279.872



71, 18.820, 256.201



57, 65.328, 147.069



36, 12.886, 256.993



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



36, 46.800, 279.872



47, 57.901, 280.883



19, 91.557, 305.558



32, 2.909, 252.824



32, 42.923, 279.436



2, 3.904, 254.699

Inverse Universe

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



34, 60.055, 358.269



45, 72.761, 359.111



61, 65.658, 99.629



31, 4.401, 342.538



30, 55.581, 357.915



1, 5.592, 343.289

Previews

White Background



This preview shows how the CIELCh color 36, 46.800, 279.870 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, 46.800, 279.870 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, 46.800, 279.870

Background



This preview shows how black text looks on a background with the CIELCh color 36, 46.800, 279.870.



This preview shows how white text looks on a background with the CIELCh color 36, 46.800, 279.870.

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, 46.800, 279.870

Protanopia

36, 46.036, 286.579

Deuteranopia

36, 42.369, 276.003

Trichromacy



Original Color
36, 46.800, 279.870

Protanomaly
36, 46.417, 283.155

Deuteranomaly
36, 44.005, 277.424

Monochromacy



Original Color
36, 46.800, 279.870

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 19.460, 262.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 46.800, 279.870 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, 85, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 159)  
}
```

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, 85, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 46.800, 279.870 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, 85, 159) }
```

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

```
.border{ border-color:rgb(0, 85, 159) }
```

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

Here you see how a box with a 4 pixel rgb(0, 85, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 159)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 46.800, 279.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 159) }
```

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

```
.background{ background-color: rgb(0, 85,  
159) }
```

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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