

Converting Colors

CIELCh(36, 109.286, 312.998)

Have a look what the booklet for
CIELCh(36, 109.286, 312.998)
contains.

CIELCh(36, 109.194, 313.027)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(36, 109.194, 313.027)

Conversions

Conversions Part 1

Format	Color
Hex	7801D9
RGB	120, 1, 217
RGB Percent	47%, 0%, 85%
CMY	0.5298, 0.9969, 0.1494
CMYK	0.45, 1.00, 0.00, 0.15
HSL	273°, 99%, 43%
HSV	273°, 100%, 85%
XYZ	20.2534, 9.0082, 66.2555
YIQ	61.2050, 1.5880, 92.4040

Conversions

Conversions Part 2

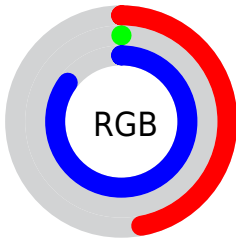
Format	Color
RYB	120, 1, 217
Decimal	7864793
CIELab	36.00, 74.51, -79.82
CIElCh	36, 109.194, 313.027
Yxy	9.0082, 0.2120, 0.0943
Android (android.graphics.Color)	4286054873 (0xFF7801D9)
YUV	61.2050, 76.8069, 51.5632
Hunter-Lab	30.0136, 67.9291, -109.8740

Details

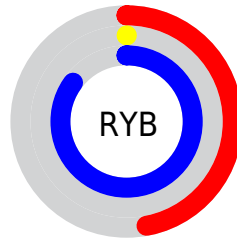
The CIELCh color **36, 109.194, 313.027** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **77, 98.167, 129.769**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.562, 314.746**, and **21, 91.376, 308.918** is the 20% darker color. If you saturate the color by 10%, you get **36, 109.339, 313.006**, and if you desaturate by 10%, it is **38, 104.782, 313.646**.

Distribution



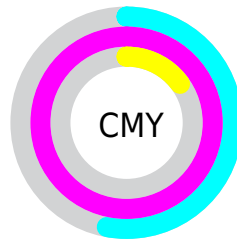
- Red (47%)
- Green (0%)
- Blue (85%)



- Red (47%)
- Yellow (0%)
- Blue (85%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (53%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 109.194, 313.027 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, 109.194, 313.027 by changing the saturation by 10% instead.


 36, 109.194,
313.027


 36, 109.194,
313.027


 100, 109.194,
313.027


 26, 109.194,
313.027


 56, 109.194,
313.027


 16, 109.194,
313.027


 66, 109.194,
313.027

 6, 109.194,
313.027

 76, 109.194,
313.027

 0, 109.194,
313.027

 86, 109.194,
313.027

 96, 109.194,
313.027

■ 36, 109.194,
313.027

■ 36, 109.194,
313.027

■ 36, 109.339,
313.006

■ 38, 104.782,
313.646

■ 42, 97.565,
313.916

■ 46, 87.763,
313.861

■ 51, 76.204,
313.583

■ 56, 63.644,
313.173

■ 62, 50.637,
312.696

■ 68, 37.550,
312.199

■ 74, 24.604,

311.708

■ 81, 11.923,
311.239

Harmonies

Complementary

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



36, 109.194, 313.027



77, 98.167, 129.769

Rectangle

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



36, 109.194, 313.027



36, 109.194, 3.027



36, 109.194, 133.027



36, 109.194, 183.027

Sweetspot

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



36, 109.194, 313.028



79, 43.362, 312.230



44, 71.013, 288.931



39, 29.699, 312.442



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, 109.194, 313.028



43, 123.653, 312.902



51, 98.256, 330.340



43, 7.081, 311.230



28, 92.387, 313.177



4, 31.639, 311.464

Inverse Universe

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



46, 74.661, 7.326



55, 84.451, 7.986



76, 105.075, 136.360



43, 5.452, 347.281



37, 63.225, 6.678



6, 24.617, 358.046

Previews

White Background



This preview shows how the CIELCh color 36, 109.194, 313.027 looks on a white background.

Color Contrast Check

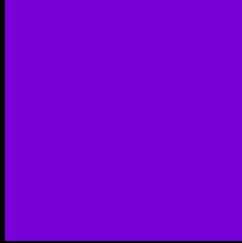
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 109.194, 313.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

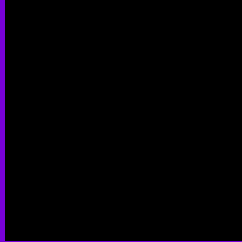
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 109.194, 313.027

Background



This preview shows how black text looks on a background with the CIELCh color 36, 109.194, 313.027.



This preview shows how white text looks on a background with the CIELCh color 36, 109.194, 313.027.

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, 109.194, 313.027

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 40.195, 272.926



Tritanopia
37, 4.291, 320.045

Trichromacy



Original Color
36, 109.194, 313.027



Protanomaly
32, 84.360, 301.226



Deuteranomaly
31, 73.667, 299.515



Tritanomaly
32, 53.304, 313.994

Monochromacy



Original Color
36, 109.194, 313.027



Achromatopsia
26, 0.004, 296.813



Achromatomaly
25, 51.824, 313.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 109.194, 313.027 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(120, 1, 217)` looks like.

```
.text, #text, p{  
    color:rgb(120, 1, 217)  
}
```

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(120, 1, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 1, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 109.194, 313.027 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(120, 1, 217) }
```

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

```
.border{ border-color:rgb(120, 1, 217) }
```

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

Here you see how a box with a 4 pixel rgb(120, 1, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 1, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 1, 217);  
box-shadow:4px 4px 4px 4px rgb(120, 1,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 109.194, 313.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 1, 217) }
```

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

```
.background{ background-color: rgb(120, 1,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor