

Converting Colors

CIELCh(36, 94.524, 310.207)

Have a look what the booklet for
CIELCh(36, 94.524, 310.207)
contains.

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Color

CIELCh(36, 94.697, 310.128)

Conversions

Conversions Part 1

Format	Color
Hex	6A29CC
RGB	106, 41, 204
RGB Percent	42%, 16%, 80%
CMY	0.5843, 0.8393, 0.2000
CMYK	0.48, 0.80, 0.00, 0.20
HSL	264°, 67%, 48%
HSV	264°, 80%, 80%
XYZ	17.6335, 9.0082, 57.9304
YIQ	79.0170, -13.5830, 64.4730

Conversions

Conversions Part 2

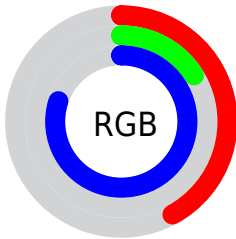
Format	Color
R _Y B	106, 41, 204
Decimal	6957516
CIE Lab	36.00, 61.03, -72.41
CIE LCh	36, 94.697, 310.128
Yxy	9.0082, 0.2085, 0.1065
Android (android.graphics.Color)	4285147596 (0xFF6A29CC)
YUV	79.0170, 61.6166, 23.6641
Hunter-Lab	30.0136, 52.3482, -93.4284

Details

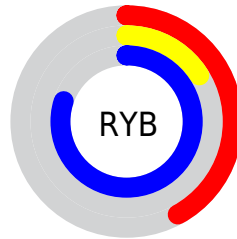
The CIELCh color **36, 94.697, 310.128** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **75, 80.658, 122.725**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 91.068, 310.642**, and **18, 86.805, 308.110** is the 20% darker color. If you saturate the color by 10%, you get **32, 102.630, 310.142**, and if you desaturate by 10%, it is **41, 84.355, 309.762**.

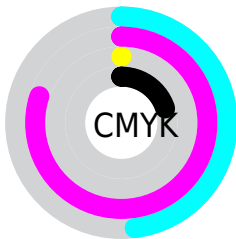
Distribution



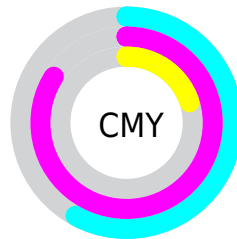
- Red (42%)
- Green (16%)
- Blue (80%)



- Red (42%)
- Yellow (16%)
- Blue (80%)



- Cyan (48%)
- Magenta (80%)
- Yellow (0%)
- Black (20%)





- Cyan (58%)
- Magenta (84%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 94.697, 310.128 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, 94.697, 310.128 by changing the saturation by 10% instead.


 36, 94.697,
310.128

 36, 94.697,
310.128

 100, 94.697,
310.128


 26, 94.697,
310.128

 56, 94.697,
310.128


 16, 94.697,
310.128


 66, 94.697,
310.128

 6, 94.697, 310.128

 76, 94.697,
310.128

 0, 94.697, 310.128

 86, 94.697,
310.128

 96, 94.697,
310.128

■ 36, 94.697,
310.128

■ 36, 94.697,
310.128

■ 32, 102.630,
310.142

■ 41, 84.355,
309.762

■ 30, 107.777,
309.777

■ 46, 72.600,
309.186

■ 30, 107.823,
309.774

■ 52, 60.202,
308.513

■ 57, 47.656,
307.819

■ 64, 35.241,
307.148

■ 70, 23.106,
306.522

■ 76, 11.318,
305.952

■ 82, 0.096, 126.337

■ 88, 11.136,
125.015

Harmonies

Complementary

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



36, 94.697, 310.128



75, 80.658, 122.725

Rectangle

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



36, 94.697, 310.128



36, 94.697, 0.128



36, 94.697, 130.128



36, 94.697, 180.128

Sweetspot

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



36, 94.697, 310.129



82, 33.619, 306.791



56, 40.741, 260.651



41, 23.221, 307.019



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, 94.697, 310.129



39, 125.898, 309.851



47, 91.194, 324.063



40, 6.476, 305.924



23, 92.242, 309.932



2, 24.143, 303.111

Inverse Universe

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



47, 70.289, 347.840



56, 87.080, 352.237



72, 91.843, 135.738



40, 5.695, 339.244



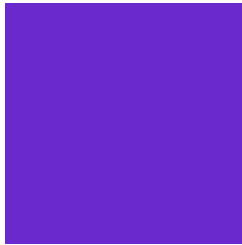
36, 63.427, 352.519



4, 21.134, 347.062

Previews

White Background



This preview shows how the CIELCh color 36, 94.697, 310.128 looks on a white background.

Color Contrast Check

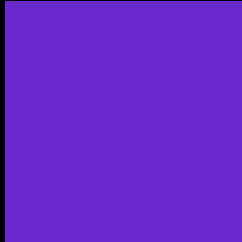
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.697, 310.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

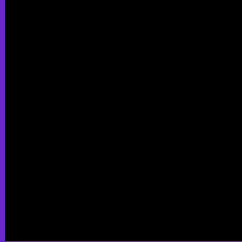
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 94.697, 310.128

Background



This preview shows how black text looks on a background with the CIELCh color 36, 94.697, 310.128.



This preview shows how white text looks on a background with the CIELCh color 36, 94.697, 310.128.

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, 94.697, 310.128

Protanopia

36, 56.573, 286.293

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 5.833, 247.439

Trichromacy



Original Color
36, 94.697, 310.128



Protanomaly
34, 72.320, 296.854



Deuteranomaly
33, 61.121, 293.769



Tritanomaly
34, 39.864, 304.293

Monochromacy



Original Color
36, 94.697, 310.128



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 38.110, 308.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 94.697, 310.128 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(106, 41, 204)` looks like.

```
.text, #text, p{  
    color:rgb(106, 41, 204)  
}
```

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(106, 41, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 41, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 94.697, 310.128 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(106, 41, 204) }
```

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

```
.border{ border-color:rgb(106, 41, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 41, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 41, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 41, 204);  
box-shadow:4px 4px 4px 4px rgb(106, 41,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 94.697, 310.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 41, 204) }
```

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

```
.background{ background-color: rgb(106, 41,  
204) }
```

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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