

Converting Colors

CIELCh(36, 89.932, 310.206)

Have a look what the booklet for
CIELCh(36, 89.932, 310.206)
contains.

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Color

CIELCh(36, 89.932, 310.206)

Conversions

Conversions Part 1

Format	Color
Hex	6B2DC6
RGB	107, 45, 198
RGB Percent	42%, 18%, 78%
CMY	0.5820, 0.8250, 0.2251
CMYK	0.46, 0.77, 0.00, 0.23
HSL	264°, 63%, 47%
HSV	264°, 77%, 77%
XYZ	17.0869, 9.0082, 54.0296
YIQ	80.9800, -12.1610, 60.7270

Conversions

Conversions Part 2

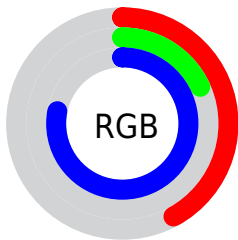
Format	Color
R_{YB}	107, 45, 198
Decimal	7024070
CIE _{Lab}	36.00, 58.05, -68.68
CIE _{LCh}	36, 89.932, 310.206
Yxy	9.0082, 0.2133, 0.1124
Android (android.graphics.Color)	4285214150 (0xFF6B2DC6)
YUV	80.9800, 57.6909, 22.8195
Hunter-Lab	30.0136, 49.0975, -85.7227

Details

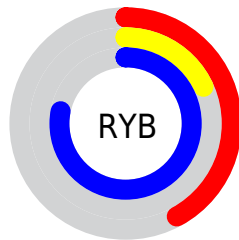
The CIELCh color **36, 89.932, 310.206** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **73, 77.203, 122.886**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 89.411, 310.286**, and **18, 84.093, 308.619** is the 20% darker color. If you saturate the color by 10%, you get **32, 98.343, 310.312**, and if you desaturate by 10%, it is **41, 79.439, 309.789**.

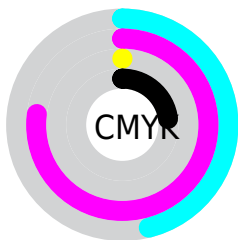
Distribution



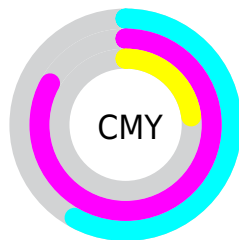
- Red (42%)
- Green (18%)
- Blue (78%)



- Red (42%)
- Yellow (18%)
- Blue (78%)



- Cyan (46%)
- Magenta (77%)
- Yellow (0%)
- Black (23%)





- Cyan (58%)
- Magenta (83%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 89.932, 310.206 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, 89.932, 310.206 by changing the saturation by 10% instead.


 36, 89.932,
310.206


 36, 89.932,
310.206

 100, 89.932,
310.206


 26, 89.932,
310.206

 56, 89.932,
310.206


 16, 89.932,
310.206


 66, 89.932,
310.206

 6, 89.932, 310.206

 76, 89.932,
310.206

 0, 89.932, 310.206

 86, 89.932,
310.206

 96, 89.932,
310.206

■ 36, 89.932,
310.206

■ 36, 89.932,
310.206

■ 32, 98.343,
310.312

■ 41, 79.439,
309.789

■ 29, 103.891,
309.996

■ 46, 67.785,
309.195

■ 29, 105.131,
309.908

■ 51, 55.644,
308.526

■ 57, 43.436,
307.847

■ 63, 31.396,
307.196

■ 69, 19.645,
306.592

■ 75, 8.237, 306.042

■ 81, 2.807, 125.597

■ 87, 13.489,
125.145

Harmonies

Complementary

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



36, 89.932, 310.206



73, 77.203, 122.886

Rectangle

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



36, 89.932, 310.206



36, 89.932, 0.206



36, 89.932, 130.206



36, 89.932, 180.206

Sweetspot

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



36, 89.932, 310.207



83, 32.197, 306.944



54, 39.713, 261.913



42, 22.407, 307.170



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, 89.932, 310.207



40, 124.173, 310.125



47, 87.406, 324.612



39, 6.349, 306.146



23, 91.065, 310.058



2, 22.045, 302.683

Inverse Universe

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



46, 67.334, 347.723



56, 86.699, 351.849



70, 88.148, 136.117



39, 5.553, 339.539



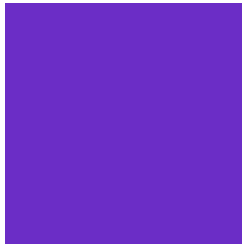
35, 62.546, 353.012



4, 18.951, 347.108

Previews

White Background



This preview shows how the CIELCh color 36, 89.932, 310.206 looks on a white background.

Color Contrast Check

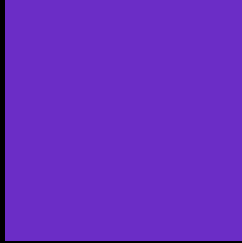
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.932, 310.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

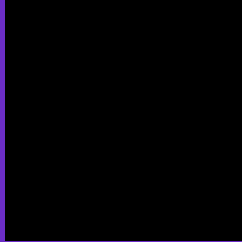
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 89.932, 310.206

Background



This preview shows how black text looks on a background with the CIELCh color 36, 89.932, 310.206.



This preview shows how white text looks on a background with the CIELCh color 36, 89.932, 310.206.

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, 89.932, 310.206

Protanopia

36, 56.573, 286.293

Deuteranopia

36, 40.207, 273.596



Tritanopia
36, 4.761, 265.555

Trichromacy



Original Color
36, 89.932, 310.206

Protanomaly
34, 70.525, 296.320

Deuteranomaly
34, 59.199, 292.769

Tritanomaly
34, 38.184, 306.109

Monochromacy



Original Color
36, 89.932, 310.206

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 35.457, 308.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 89.932, 310.206 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(107, 45, 198)` looks like.

```
.text, #text, p{  
    color:rgb(107, 45, 198)  
}
```

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(107, 45, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 45, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 89.932, 310.206 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(107, 45, 198) }
```

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

```
.border{ border-color:rgb(107, 45, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 45, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 45, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 45, 198);  
box-shadow:4px 4px 4px 4px rgb(107, 45,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 89.932, 310.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 45, 198) }
```

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

```
.background{ background-color: rgb(107, 45,  
198) }
```

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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