

Converting Colors

CIELCh(36, 106.716, 307.281)

Have a look what the booklet for
CIELCh(36, 106.716, 307.281)
contains.

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Color

CIELCh(36, 107.121, 307.278)

Conversions

Conversions Part 1

Format	Color
Hex	5628E2
RGB	86, 40, 226
RGB Percent	34%, 16%, 89%
CMY	0.6622, 0.8427, 0.1133
CMYK	0.62, 0.82, 0.00, 0.11
HSL	255°, 76%, 52%
HSV	255°, 82%, 89%
XYZ	18.3573, 9.0082, 72.8081
YIQ	74.9580, -32.2900, 67.5980

Conversions

Conversions Part 2

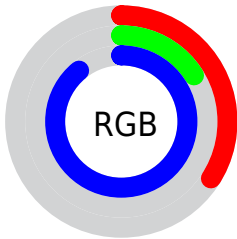
Format	Color
R_{YB}	86, 40, 226
Decimal	5646562
CIE _{Lab}	36.00, 64.88, -85.24
CIE _{LCh}	36, 107.121, 307.278
Yxy	9.0082, 0.1833, 0.0899
Android (android.graphics.Color)	4283836642 (0xFF5628E2)
YUV	74.9580, 74.4637, 9.6838
Hunter-Lab	30.0136, 56.6527, -122.8185

Details

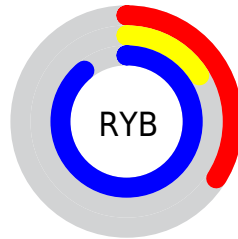
The CIELCh color **36, 107.121, 307.278** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **84, 85.577, 116.183**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 91.752, 308.252**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 115.605, 307.635**, and if you desaturate by 10%, it is **41, 95.527, 306.482**.

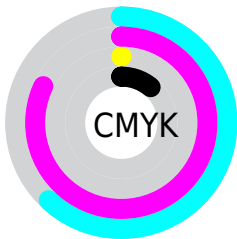
Distribution



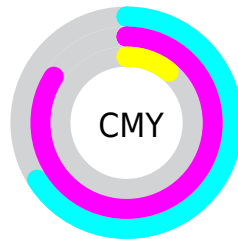
- Red (34%)
- Green (16%)
- Blue (89%)



- Red (34%)
- Yellow (16%)
- Blue (89%)



- Cyan (62%)
- Magenta (82%)
- Yellow (0%)
- Black (11%)





- Cyan (66%)
- Magenta (84%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 107.121, 307.278 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, 107.121, 307.278 by changing the saturation by 10% instead.


 36, 107.121,
307.278


 36, 107.121,
307.278


 100, 107.121,
307.278


 26, 107.121,
307.278


 56, 107.121,
307.278


 16, 107.121,
307.278


 66, 107.121,
307.278

 6, 107.121,
307.278

 76, 107.121,
307.278

 0, 107.121,
307.278

 86, 107.121,
307.278

 96, 107.121,
307.278

■ 36, 107.121,
307.278

■ 36, 107.121,
307.278

■ 32, 115.605,
307.635

■ 41, 95.527,
306.482

■ 30, 119.750,
307.607

■ 47, 82.259,
305.453

■ 54, 68.375,
304.354

■ 60, 54.482,
303.285

■ 67, 40.879,
302.298

■ 74, 27.696,
301.412

■ 81, 14.975,
300.632

■ 88, 2.718, 299.943

Harmonies

Complementary

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



36, 107.121, 307.278



84, 85.577, 116.183

Rectangle

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



36, 107.121, 307.278



36, 107.121, 357.278



36, 107.121, 127.278



36, 107.121, 177.278

Sweetspot

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



36, 107.122, 307.279



81, 34.476, 301.659



69, 38.531, 236.127



40, 23.674, 301.971



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, 107.122, 307.279



35, 130.731, 307.563



47, 101.155, 319.167



43, 6.858, 300.430



23, 99.097, 307.737



3, 32.138, 301.825

Inverse Universe

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



53, 84.329, 338.986



57, 95.284, 341.368



80, 97.999, 133.046



44, 6.861, 332.829



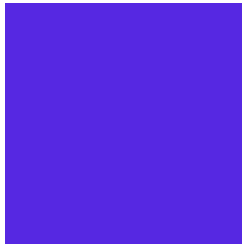
39, 72.433, 341.133



7, 30.398, 338.558

Previews

White Background



This preview shows how the CIELCh color 36, 107.121, 307.278 looks on a white background.

Color Contrast Check

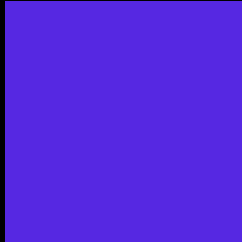
Large Text (above 18pt) WCAG AA ✓ Pass

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, 107.121, 307.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

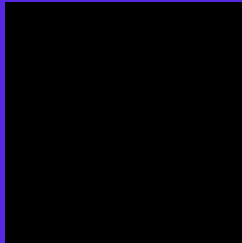
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 107.121, 307.278

Background



This preview shows how black text looks on a background with the CIELCh color 36, 107.121, 307.278.



This preview shows how white text looks on a background with the CIELCh color 36, 107.121, 307.278.

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, 107.121, 307.278

Protanopia

36, 55.433, 285.745

Deuteranopia

36, 38.625, 271.885



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 107.121, 307.278



Protanomaly
34, 76.399, 296.947



Deuteranomaly
33, 65.312, 293.968



Tritanomaly
32, 45.676, 285.659

Monochromacy



Original Color
36, 107.121, 307.278



Achromatopsia
32, 0.005, 296.813



Achromatomaly
31, 43.462, 304.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 107.121, 307.278 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(86, 40, 226)` looks like.

```
.text, #text, p{  
    color:rgb(86, 40, 226)  
}
```

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(86, 40, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 40, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 107.121, 307.278 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(86, 40, 226) }
```

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

```
.border{ border-color:rgb(86, 40, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 40, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 40, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 40, 226);  
box-shadow:4px 4px 4px 4px rgb(86, 40,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 107.121, 307.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 40, 226) }
```

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

```
.background{ background-color: rgb(86, 40,  
226) }
```

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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