

Converting Colors

CIELCh(36, 62.555, 309.880)

Have a look what the booklet for
CIELCh(36, 62.555, 309.880)
contains.

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Color

CIELCh(36, 62.560, 309.727)

Conversions

Conversions Part 1

Format	Color
Hex	683EA3
RGB	104, 62, 163
RGB Percent	41%, 24%, 64%
CMY	0.5926, 0.7573, 0.3613
CMYK	0.36, 0.62, 0.00, 0.36
HSL	265°, 45%, 44%
HSV	265°, 62%, 64%
XYZ	14.0101, 9.0082, 35.5905
YIQ	86.0720, -7.3890, 40.3150

Conversions

Conversions Part 2

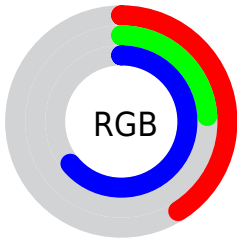
Format	Color
R_{YB}	104, 62, 163
Decimal	6831779
CIE _{Lab}	36.00, 39.98, -48.11
CIE _{LCh}	36, 62.560, 309.727
Yxy	9.0082, 0.2390, 0.1537
Android (android.graphics.Color)	4285021859 (0xFF683EA3)
YUV	86.0720, 37.9255, 15.7229
Hunter-Lab	30.0136, 30.7986, -49.2973

Details

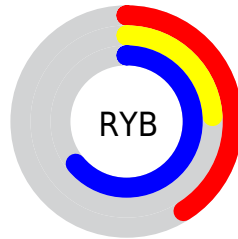
The CIELCh color **36, 62.560, 309.727** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **62, 55.826, 123.300**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 62.558, 309.686**, and **16, 62.524, 309.813** is the 20% darker color. If you saturate the color by 10%, you get **32, 72.188, 310.237**, and if you desaturate by 10%, it is **41, 52.320, 309.109**.

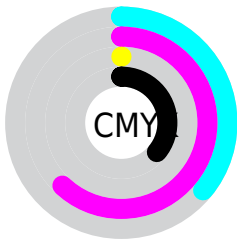
Distribution



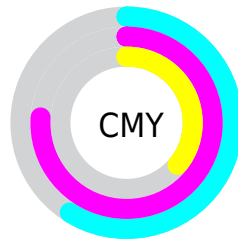
- Red (41%)
- Green (24%)
- Blue (64%)



- Red (41%)
- Yellow (24%)
- Blue (64%)



- Cyan (36%)
- Magenta (62%)
- Yellow (0%)
- Black (36%)





- Cyan (59%)
- Magenta (76%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 62.560, 309.727 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, 62.560, 309.727 by changing the saturation by 10% instead.


 36, 62.560,
309.727


 36, 62.560,
309.727

 100, 62.560,
309.727


 26, 62.560,
309.727

 56, 62.560,
309.727

 16, 62.560,
309.727


 66, 62.560,
309.727

 6, 62.560, 309.727

 76, 62.560,
309.727

 0, 62.560, 309.727

 86, 62.560,
309.727

 96, 62.560,
309.727

36, 62.560,
309.727

36, 62.560,
309.727

32, 72.188,
310.237

41, 52.320,
309.109

28, 80.568,
310.529

46, 41.894,
308.457

25, 86.909,
310.471

51, 31.533,
307.816

23, 90.730,
310.257

56, 21.374,
307.213

61, 11.484,
306.658

66, 1.892, 306.127

71, 7.395, 125.736

76, 16.383,
125.341

■ 81, 25.081,
124.999

Harmonies

Complementary

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



36, 62.560, 309.727



62, 55.826, 123.300

Rectangle

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



36, 62.560, 309.727



36, 62.560, 359.727



36, 62.560, 129.727



36, 62.560, 179.727

Sweetspot

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



36, 62.559, 309.727



73, 22.754, 307.061



49, 28.380, 255.769



37, 15.850, 307.218



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



36, 62.559, 309.727



40, 91.368, 310.366



42, 64.104, 324.351



32, 5.399, 306.514



20, 83.371, 310.362



1, 8.236, 304.646

Inverse Universe

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



42, 49.578, 345.582



50, 68.967, 347.824



60, 63.997, 137.330



32, 4.678, 340.034



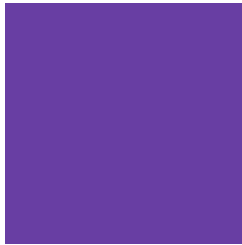
31, 57.289, 353.588



1, 6.940, 342.101

Previews

White Background



This preview shows how the CIELCh color 36, 62.560, 309.727 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, 62.560, 309.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

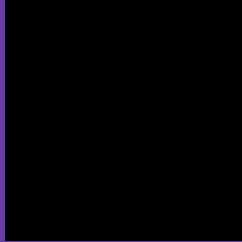
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 62.560, 309.727

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.560, 309.727.



This preview shows how white text looks on a background with the CIELCh color 36, 62.560, 309.727.

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, 62.560, 309.727

Protanopia

36, 57.144, 286.558

Deuteranopia

36, 42.351, 275.679



Tritanopia
36, 5.055, 320.799

Trichromacy



Original Color
36, 62.560, 309.727

Protanomaly
35, 58.969, 291.846

Deuteranomaly
35, 49.399, 287.517

Tritanomaly
35, 26.617, 309.524

Monochromacy



Original Color
36, 62.560, 309.727

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 23.912, 308.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.560, 309.727 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(104, 62, 163)` looks like.

```
.text, #text, p{  
    color:rgb(104, 62, 163)  
}
```

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(104, 62, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 62, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.560, 309.727 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(104, 62, 163) }
```

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

```
.border{ border-color:rgb(104, 62, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 62, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 62, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 62, 163);  
box-shadow:4px 4px 4px 4px rgb(104, 62,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.560, 309.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 62, 163) }
```

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

```
.background{ background-color: rgb(104, 62,  
163) }
```

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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