

Converting Colors

CIELCh(36, 60.830, 309.176)

Have a look what the booklet for
CIELCh(36, 60.830, 309.176)
contains.

CIELCh(36, 60.835, 309.158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(36, 60.835, 309.158)

Conversions

Conversions Part 1

Format	Color
Hex	663FA1
RGB	102, 63, 161
RGB Percent	40%, 25%, 63%
CMY	0.5989, 0.7519, 0.3675
CMYK	0.37, 0.61, 0.00, 0.37
HSL	264°, 44%, 44%
HSV	264°, 61%, 63%
XYZ	13.7619, 9.0082, 34.8647
YIQ	85.8330, -8.2140, 38.7460

Conversions

Conversions Part 2

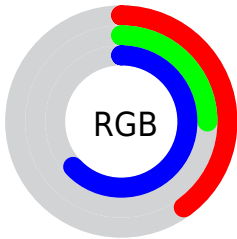
Format	Color
R _Y B	102, 63, 161
Decimal	6700961
CIE Lab	36.00, 38.41, -47.17
CIE LCh	36, 60.835, 309.158
Yxy	9.0082, 0.2388, 0.1563
Android (android.graphics.Color)	4284891041 (0xFF663FA1)
YUV	85.8330, 37.0573, 14.1785
Hunter-Lab	30.0136, 29.3225, -47.8636

Details

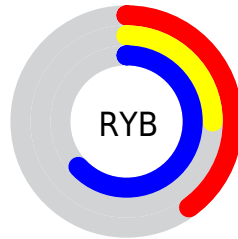
The CIELCh color $36, 60.835, 309.158$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $62, 54.200, 122.642$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 60.903, 309.439$, and $16, 61.287, 309.144$ is the 20% darker color. If you saturate the color by 10%, you get $32, 70.565, 309.730$, and if you desaturate by 10%, it is $41, 50.591, 308.495$.

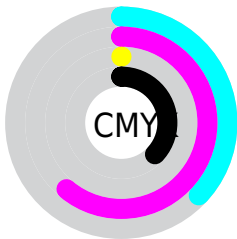
Distribution



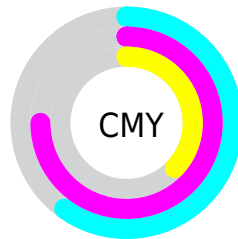
- Red (40%)
- Green (25%)
- Blue (63%)



- Red (40%)
- Yellow (25%)
- Blue (63%)



- Cyan (37%)
- Magenta (61%)
- Yellow (0%)
- Black (37%)





- Cyan (60%)
- Magenta (75%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 60.835, 309.158 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, 60.835, 309.158 by changing the saturation by 10% instead.


 36, 60.835,
309.158


 36, 60.835,
309.158

 100, 60.835,
309.158


 26, 60.835,
309.158

 56, 60.835,
309.158


 16, 60.835,
309.158


 66, 60.835,
309.158

 6, 60.835, 309.158

 76, 60.835,
309.158

 0, 60.835, 309.158

 86, 60.835,
309.158

 96, 60.835,
309.158

36, 60.835,
309.158

36, 60.835,
309.158

32, 70.565,
309.730

41, 50.591,
308.495

28, 79.172,
310.103

46, 40.228,
307.811

25, 85.862,
310.141

51, 29.970,
307.149

23, 90.394,
309.943

56, 19.936,
306.531

61, 10.183,
305.966

66, 0.733, 305.374

71, 8.412, 125.035

76, 17.260,
124.640

■ 81, 25.821,
124.298

Harmonies

Complementary

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



36, 60.835, 309.158



62, 54.200, 122.642

Rectangle

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



36, 60.835, 309.158



36, 60.835, 359.158



36, 60.835, 129.158



36, 60.835, 179.158

Sweetspot

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



36, 60.834, 309.158



72, 21.253, 306.388



49, 27.210, 253.019



36, 14.801, 306.549



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



36, 60.834, 309.158



40, 89.521, 309.893



42, 62.462, 323.797



32, 5.383, 305.886



20, 83.669, 310.037



1, 8.213, 304.058

Inverse Universe

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



42, 48.903, 344.375



50, 68.410, 346.485



59, 62.162, 137.099



32, 4.737, 339.190



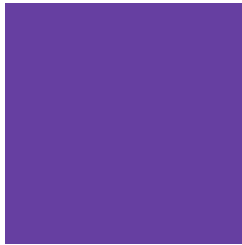
31, 57.731, 352.097



1, 7.022, 341.258

Previews

White Background



This preview shows how the CIELCh color 36, 60.835, 309.158 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, 60.835, 309.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

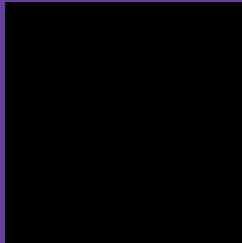
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 60.835, 309.158

Background



This preview shows how black text looks on a background with the CIELCh color 36, 60.835, 309.158.



This preview shows how white text looks on a background with the CIELCh color 36, 60.835, 309.158.

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



Trichromacy



Original Color
36, 60.835, 309.158

Protanomaly
35, 58.404, 291.539

Tritanomaly
36, 25.813, 308.209

Monochromacy



Original Color
36, 60.835, 309.158

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 22.514, 307.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 60.835, 309.158 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(102, 63, 161)` looks like.

```
.text, #text, p{  
    color:rgb(102, 63, 161)  
}
```

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(102, 63, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 63, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 60.835, 309.158 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(102, 63, 161) }
```

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

```
.border{ border-color:rgb(102, 63, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 63, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 63, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 63, 161);  
box-shadow:4px 4px 4px 4px rgb(102, 63,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 60.835, 309.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 63, 161) }
```

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

```
.background{ background-color: rgb(102, 63,  
161) }
```

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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