

Converting Colors

CIELCh(36, 63.897, 318.639)

Have a look what the booklet for
CIELCh(36, 63.897, 318.639)
contains.

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Color

CIELCh(36, 63.900, 318.683)

Conversions

Conversions Part 1

Format	Color
Hex	7C3399
RGB	124, 51, 153
RGB Percent	49%, 20%, 60%
CMY	0.5126, 0.7989, 0.3989
CMYK	0.19, 0.67, 0.00, 0.40
HSL	283°, 50%, 40%
HSV	283°, 67%, 60%
XYZ	15.3237, 9.0082, 31.1922
YIQ	84.4550, 10.7660, 47.1980

Conversions

Conversions Part 2

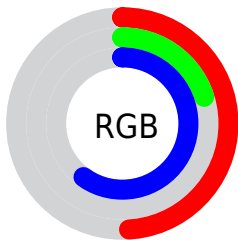
Format	Color
R_{YB}	124, 51, 153
Decimal	8139673
CIE _{Lab}	36.00, 47.99, -42.19
CIE _{LCh}	36, 63.900, 318.683
Yxy	9.0082, 0.2760, 0.1622
Android (android.graphics.Color)	4286329753 (0xFF7C3399)
YUV	84.4550, 33.7927, 34.6810
Hunter-Lab	30.0136, 38.6109, -40.6088

Details

The CIELCh color **36, 63.900, 318.683** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **57, 61.486, 132.909**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 63.704, 318.571**, and **17, 60.470, 317.984** is the 20% darker color. If you saturate the color by 10%, you get **33, 71.234, 318.736**, and if you desaturate by 10%, it is **39, 55.304, 318.468**.

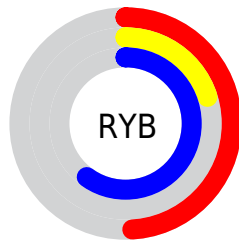
Distribution



Red (49%)

Green (20%)

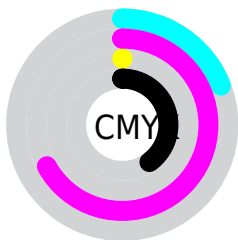
Blue (60%)



Red (49%)

Yellow (20%)

Blue (60%)

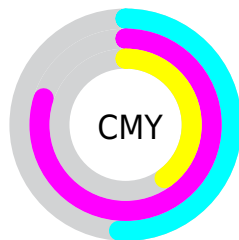


Cyan (19%)

Magenta (67%)

Yellow (0%)

Black (40%)



Cyan (51%)


Magenta (80%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 63.900, 318.683 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, 63.900, 318.683 by changing the saturation by 10% instead.


 36, 63.900,
318.683


 36, 63.900,
318.683

 100, 63.900,
318.683


 26, 63.900,
318.683

 56, 63.900,
318.683


 16, 63.900,
318.683


 66, 63.900,
318.683

 6, 63.900, 318.683

 76, 63.900,
318.683

 0, 63.900, 318.683

 86, 63.900,
318.683

 96, 63.900,
318.683

36, 63.900,
318.683

36, 63.900,
318.683

33, 71.234,
318.736

39, 55.304,
318.468

31, 76.832,
318.568

43, 45.909,
318.145

29, 80.471,
318.148

47, 36.087,
317.758

28, 81.600,
317.998

52, 26.107,
317.338

56, 16.149,
316.907

60, 6.328, 316.473

65, 3.288, 136.142

69, 12.661,
135.730

■ 74, 21.776,
135.375

Harmonies

Complementary

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



36, 63.900, 318.683



57, 61.486, 132.909

Rectangle

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



36, 63.900, 318.683



36, 63.900, 8.683



36, 63.900, 138.683



36, 63.900, 188.683

Sweetspot

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



36, 63.899, 318.683



69, 24.215, 317.073



36, 44.405, 286.923



35, 16.510, 317.183



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



36, 63.899, 318.683



42, 90.093, 318.683



39, 56.979, 334.994



30, 5.469, 316.591



26, 76.443, 318.068



1, 5.840, 315.850

Inverse Universe

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



37, 45.254, 7.629



45, 64.464, 12.868



56, 58.149, 143.979



30, 3.684, 357.852



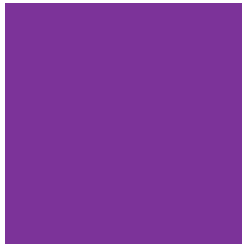
29, 56.202, 21.119



1, 3.899, 357.394

Previews

White Background



This preview shows how the CIELCh color 36, 63.900, 318.683 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, 63.900, 318.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

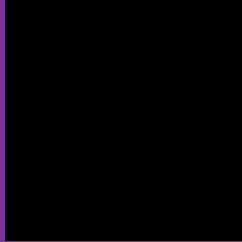
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 63.900, 318.683

Background



This preview shows how black text looks on a background with the CIELCh color 36, 63.900, 318.683.

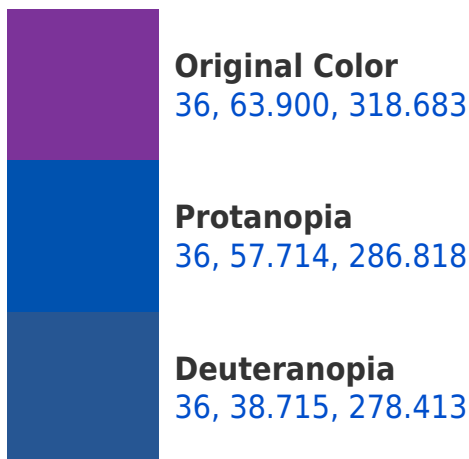


This preview shows how white text looks on a background with the CIELCh color 36, 63.900, 318.683.

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





Tritanopia
36, 17.810, 10.505

Trichromacy



Original Color
36, 63.900, 318.683



Protanomaly
34, 59.758, 294.028



Deuteranomaly
34, 47.332, 296.146



Tritanomaly
35, 31.970, 333.102

Monochromacy



Original Color
36, 63.900, 318.683



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 25.211, 317.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 63.900, 318.683 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(124, 51, 153)` looks like.

```
.text, #text, p{  
    color:rgb(124, 51, 153)  
}
```

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(124, 51, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 51, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 63.900, 318.683 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(124, 51, 153) }
```

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

```
.border{ border-color:rgb(124, 51, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 51, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 51, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 51, 153);  
box-shadow:4px 4px 4px 4px rgb(124, 51,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 63.900, 318.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 51, 153) }
```

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

```
.background{ background-color: rgb(124, 51,  
153) }
```

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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