

Converting Colors

CIELCh(36, 62.006, 312.644)

Have a look what the booklet for
CIELCh(36, 62.006, 312.644)
contains.

CIELCh(36, 62.264, 312.735)	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>	27

Color

CIELCh(36, 62.264, 312.735)

Conversions

Conversions Part 1

Format	Color
Hex	6F3B9F
RGB	111, 59, 159
RGB Percent	44%, 23%, 62%
CMY	0.5647, 0.7687, 0.3765
CMYK	0.30, 0.63, 0.00, 0.38
HSL	271°, 46%, 43%
HSV	271°, 63%, 62%
XYZ	14.3743, 9.0082, 33.7763
YIQ	85.9480, -1.1080, 42.1240

Conversions

Conversions Part 2

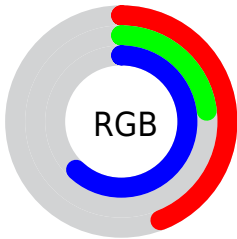
Format	Color
R_{YB}	111, 59, 159
Decimal	7289759
CIE _{Lab}	36.00, 42.25, -45.73
CIE _{LCh}	36, 62.264, 312.735
Yxy	9.0082, 0.2515, 0.1576
Android (android.graphics.Color)	4285479839 (0xFF6F3B9F)
YUV	85.9480, 36.0146, 21.9706
Hunter-Lab	30.0136, 32.9644, -45.7134

Details

The CIELCh color **36, 62.264, 312.735** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **60, 57.029, 127.094**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 62.168, 312.887**, and **16, 62.389, 312.702** is the 20% darker color. If you saturate the color by 10%, you get **32, 71.181, 313.021**, and if you desaturate by 10%, it is **40, 52.538, 312.312**.

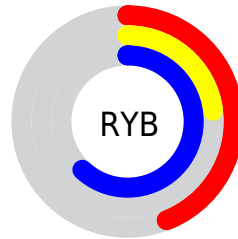
Distribution



Red (44%)

Green (23%)

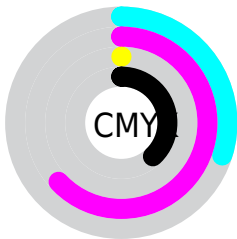
Blue (62%)



Red (44%)

Yellow (23%)

Blue (62%)

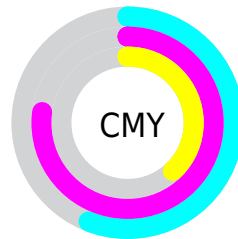


Cyan (30%)

Magenta (63%)

Yellow (0%)

Black (38%)



Cyan (56%)


Magenta (77%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 62.264, 312.735 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, 62.264, 312.735 by changing the saturation by 10% instead.


 36, 62.264,
312.735


 36, 62.264,
312.735

 100, 62.264,
312.735


 26, 62.264,
312.735

 56, 62.264,
312.735


 16, 62.264,
312.735


 66, 62.264,
312.735

 6, 62.264, 312.735

 76, 62.264,
312.735

 0, 62.264, 312.735

 86, 62.264,
312.735

 96, 62.264,
312.735

36, 62.264,
312.735

36, 62.264,
312.735

32, 71.181,
313.021

40, 52.538,
312.312

29, 78.697,
313.077

45, 42.448,
311.819

26, 84.167,
312.799

50, 32.282,
311.306

25, 87.178,
312.492

54, 22.218,
310.800

59, 12.353,
310.319

64, 2.742, 309.848

69, 6.595, 129.500

74, 15.651,
129.131

■ 79, 24.430,
128.808

Harmonies

Complementary

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



36, 62.264, 312.735



60, 57.029, 127.094

Rectangle

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



36, 62.264, 312.735



36, 62.264, 2.735



36, 62.264, 132.735



36, 62.264, 182.735

Sweetspot

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



36, 62.263, 312.735



71, 22.715, 310.627



44, 32.852, 270.346



36, 15.812, 310.759



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, 62.263, 312.735



41, 89.904, 313.073



43, 63.612, 328.015



31, 5.365, 310.150



22, 80.514, 312.596



1, 6.897, 308.829

Inverse Universe

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



41, 46.695, 352.319



48, 65.149, 355.367



58, 64.449, 139.428



31, 4.244, 345.463



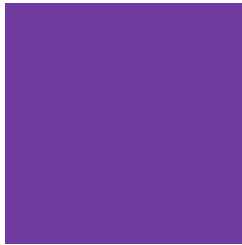
30, 54.959, 2.901



1, 5.398, 346.131

Previews

White Background



This preview shows how the CIELCh color 36, 62.264, 312.735 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, 62.264, 312.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

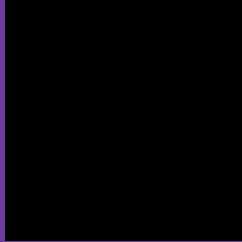
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 62.264, 312.735

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.264, 312.735.



This preview shows how white text looks on a background with the CIELCh color 36, 62.264, 312.735.

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

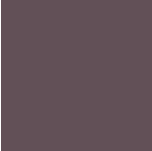
36, 62.264, 312.735

Protanopia

36, 57.144, 286.558

Deuteranopia

36, 42.216, 276.324



Tritanopia
36, 8.902, 351.717

Trichromacy



Original Color
36, 62.264, 312.735

Protanomaly
34, 59.015, 292.369

Deuteranomaly
35, 48.694, 289.088

Tritanomaly
35, 28.126, 318.967

Monochromacy



Original Color
36, 62.264, 312.735

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 24.239, 311.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.264, 312.735 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(111, 59, 159)` looks like.

```
.text, #text, p{  
    color:rgb(111, 59, 159)  
}
```

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(111, 59, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 59, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.264, 312.735 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(111, 59, 159) }
```

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

```
.border{ border-color:rgb(111, 59, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 59, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 59, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 59, 159); box-shadow:4px 4px 4px 4px rgb(111, 59, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.264, 312.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 59, 159) }
```

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

```
.background{ background-color: rgb(111, 59,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor