

Converting Colors

CIELCh(36, 58.894, 311.083)

Have a look what the booklet for
CIELCh(36, 58.894, 311.083)
contains.

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Color

CIELCh(36, 59.299, 310.982)

Conversions

Conversions Part 1

Format	Color
Hex	6A3E9D
RGB	106, 62, 157
RGB Percent	42%, 24%, 62%
CMY	0.5830, 0.7557, 0.3830
CMYK	0.32, 0.60, 0.00, 0.38
HSL	268°, 43%, 43%
HSV	268°, 60%, 62%
XYZ	13.8367, 9.0082, 33.0575
YIQ	85.9860, -4.2710, 38.8730

Conversions

Conversions Part 2

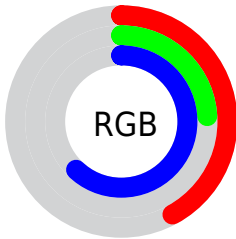
Format	Color
R_{YB}	106, 62, 157
Decimal	6962845
CIE _{Lab}	36.00, 38.89, -44.77
CIE _{LCh}	36, 59.299, 310.982
Yxy	9.0082, 0.2475, 0.1611
Android (android.graphics.Color)	4285152925 (0xFF6A3E9D)
YUV	85.9860, 35.0099, 17.5523
Hunter-Lab	30.0136, 29.7672, -44.2936

Details

The CIELCh color $[36, 59.299, 310.982]$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $[60, 53.745, 125.134]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 58.944, 310.837]$, and $[16, 59.568, 310.981]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 68.620, 311.413]$, and if you desaturate by 10%, it is $[40, 49.397, 310.447]$.

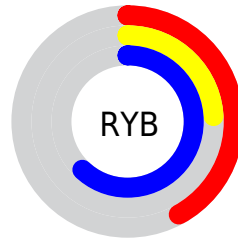
Distribution



Red (42%)

Green (24%)

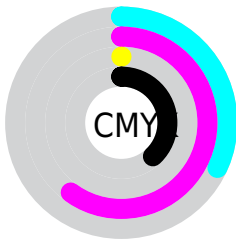
Blue (62%)



Red (42%)

Yellow (24%)

Blue (62%)

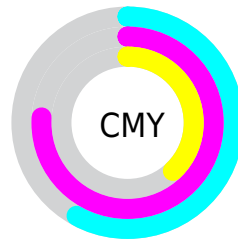


Cyan (32%)

Magenta (60%)

Yellow (0%)

Black (38%)



Cyan (58%)


Magenta (76%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 59.299, 310.982 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, 59.299, 310.982 by changing the saturation by 10% instead.


 36, 59.299,
310.982


 36, 59.299,
310.982

 100, 59.299,
310.982


 26, 59.299,
310.982

 56, 59.299,
310.982


 16, 59.299,
310.982


 66, 59.299,
310.982

 6, 59.299, 310.982

 76, 59.299,
310.982

 0, 59.299, 310.982

 86, 59.299,
310.982

 96, 59.299,
310.982

36, 59.299,
310.982

36, 59.299,
310.982

32, 68.620,
311.413

40, 49.397,
310.447

28, 76.792,
311.643

45, 39.302,
309.871

25, 83.115,
311.555

50, 29.248,
309.298

23, 87.551,
311.234

55, 19.370,
308.752

60, 9.736, 308.244

65, 0.379, 307.562

70, 8.693, 127.396

74, 17.480,
127.028

■ 79, 25.992,
126.707

Harmonies

Complementary

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



36, 59.299, 310.982



60, 53.745, 125.134

Rectangle

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



36, 59.299, 310.982



36, 59.299, 0.982



36, 59.299, 130.982



36, 59.299, 180.982

Sweetspot

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



36, 59.298, 310.982



71, 21.055, 308.644



47, 28.640, 261.793



36, 14.653, 308.787



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 59.298, 310.982



41, 86.327, 311.507



42, 61.394, 325.860



31, 5.304, 308.188



21, 81.481, 311.327



1, 6.821, 306.924

Inverse Universe

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



41, 46.026, 348.192



49, 64.396, 350.573



58, 61.670, 138.443



31, 4.409, 342.411



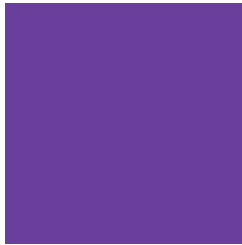
30, 55.620, 357.696



1, 5.601, 343.166

Previews

White Background



This preview shows how the CIELCh color 36, 59.299, 310.982 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, 59.299, 310.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

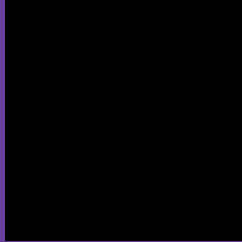
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 59.299, 310.982

Background



This preview shows how black text looks on a background with the CIELCh color 36, 59.299, 310.982.



This preview shows how white text looks on a background with the CIELCh color 36, 59.299, 310.982.

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, 59.299, 310.982

Protanopia

36, 57.144, 286.558

Deuteranopia

36, 42.100, 277.337



Tritanopia
36, 6.014, 342.125

Trichromacy



Original Color
36, 59.299, 310.982

Protanomaly
35, 57.785, 291.614

Deuteranomaly
35, 48.033, 289.502

Tritanomaly
36, 25.297, 314.067

Monochromacy



Original Color
36, 59.299, 310.982

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 22.733, 309.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 59.299, 310.982 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(106, 62, 157)` looks like.

```
.text, #text, p{  
    color:rgb(106, 62, 157)  
}
```

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(106, 62, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 62, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 59.299, 310.982 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(106, 62, 157) }
```

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

```
.border{ border-color:rgb(106, 62, 157) }
```

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

Here you see how a box with a 4 pixel rgb(106, 62, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 62, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 62, 157);  
box-shadow:4px 4px 4px 4px rgb(106, 62,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 59.299, 310.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 62, 157) }
```

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

```
.background{ background-color: rgb(106, 62,  
157) }
```

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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