

Converting Colors

CIELCh(36, 49.259, 305.692)

Have a look what the booklet for
CIELCh(36, 49.259, 305.692)
contains.

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Color

CIELCh(36, 48.732, 305.547)

Conversions

Conversions Part 1

Format	Color
Hex	5E4795
RGB	94, 71, 149
RGB Percent	37%, 28%, 58%
CMY	0.6323, 0.7224, 0.4166
CMYK	0.37, 0.52, 0.00, 0.42
HSL	258°, 36%, 43%
HSV	258°, 52%, 58%
XYZ	12.2364, 9.0082, 29.4253
YIQ	86.7690, -11.3300, 29.1340

Conversions

Conversions Part 2

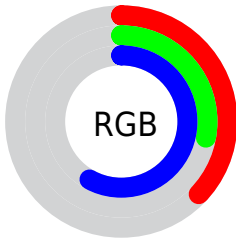
Format	Color
R_{YB}	94, 71, 149
Decimal	6178709
CIE _{Lab}	36.00, 28.33, -39.65
CIE _{LCh}	36, 48.732, 305.547
Yxy	9.0082, 0.2415, 0.1778
Android (android.graphics.Color)	4284368789 (0xFF5E4795)
YUV	86.7690, 30.6799, 6.3416
Hunter-Lab	30.0136, 20.2499, -37.1183

Details

The CIELCh color $36, 48.732, 305.547$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $58, 43.462, 118.720$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 48.942, 305.459$, and $16, 49.159, 305.540$ is the 20% darker color. If you saturate the color by 10%, you get $31, 58.524, 306.467$, and if you desaturate by 10%, it is $41, 38.919, 304.642$.

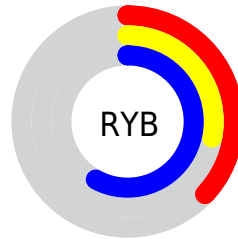
Distribution



Red (37%)

Green (28%)

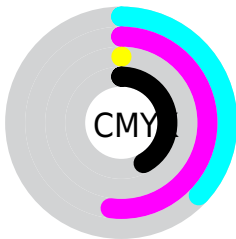
Blue (58%)



Red (37%)

Yellow (28%)

Blue (58%)

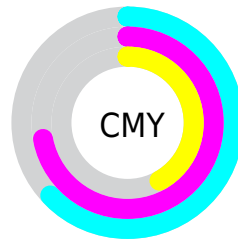


Cyan (37%)

Magenta (52%)

Yellow (0%)

Black (42%)



Cyan (63%)

Magenta (72%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 48.732, 305.547 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, 48.732, 305.547 by changing the saturation by 10% instead.


 36, 48.732,
305.547

 36, 48.732,
305.547

 100, 48.732,
305.547


 26, 48.732,
305.547

 56, 48.732,
305.547

 16, 48.732,
305.547

 66, 48.732,
305.547

 6, 48.732, 305.547

 76, 48.732,
305.547

 0, 48.732, 305.547

 86, 48.732,
305.547

 96, 48.732,
305.547

■ 36, 48.732,
305.547

■ 36, 48.732,
305.547

■ 31, 58.524,
306.467

■ 41, 38.919,
304.642

■ 27, 67.926,
307.323

■ 46, 29.281,
303.795

■ 23, 76.308,
307.985

■ 51, 19.910,
303.025

■ 21, 82.802,
308.286

■ 55, 10.840,
302.338

■ 19, 86.781,
308.412

■ 60, 2.078, 301.719

■ 65, 6.381, 121.214

■ 70, 14.551,
120.752

■ 75, 22.447,
120.353

■ 80, 30.085,
120.009

Harmonies

Complementary

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



36, 48.732, 305.547



58, 43.462, 118.720

Rectangle

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



36, 48.732, 305.547



36, 48.732, 355.547



36, 48.732, 125.547



36, 48.732, 175.547

Sweetspot

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



36, 48.731, 305.547



69, 17.448, 302.597



50, 21.266, 235.749



35, 11.783, 302.723



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



36, 48.731, 305.547



41, 73.351, 306.636



40, 50.689, 320.442



29, 4.882, 302.133



17, 81.965, 308.476



0, 4.208, 301.601

Inverse Universe

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



42, 43.087, 338.043



50, 62.006, 339.203



56, 49.580, 135.397



29, 4.697, 334.646



30, 58.842, 343.992



1, 4.079, 334.071

Previews

White Background



This preview shows how the CIELCh color 36, 48.732, 305.547 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, 48.732, 305.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

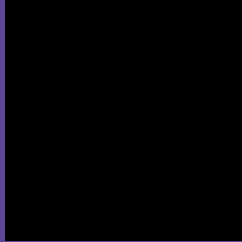
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 48.732, 305.547

Background



This preview shows how black text looks on a background with the CIELCh color 36, 48.732, 305.547.



This preview shows how white text looks on a background with the CIELCh color 36, 48.732, 305.547.

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, 48.732, 305.547

Protanopia

36, 48.494, 286.664

Deuteranopia

36, 37.555, 277.717



Tritanopia
36, 4.612, 270.139

Trichromacy



Original Color
36, 48.732, 305.547

Protanomaly
36, 48.299, 292.268

Deuteranomaly
35, 41.084, 288.489

Tritanomaly
36, 20.728, 299.637

Monochromacy



Original Color
36, 48.732, 305.547

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 17.740, 302.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 48.732, 305.547 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(94, 71, 149)` looks like.

```
.text, #text, p{  
    color:rgb(94, 71, 149)  
}
```

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(94, 71, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 71, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 48.732, 305.547 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(94, 71, 149) }
```

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

```
.border{ border-color:rgb(94, 71, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 71, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 71, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 71, 149);  
box-shadow:4px 4px 4px 4px rgb(94, 71,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 48.732, 305.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 71, 149) }
```

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

```
.background{ background-color: rgb(94, 71,  
149) }
```

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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