

Converting Colors

CIELCh(37, 28.309, 300.478)

Have a look what the booklet for
CIELCh(37, 28.309, 300.478)
contains.

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Color

CIELCh(37, 28.067, 300.207)

Conversions

Conversions Part 1

Format	Color
Hex	59517E
RGB	89, 81, 126
RGB Percent	35%, 32%, 49%
CMY	0.6506, 0.6820, 0.5055
CMYK	0.29, 0.36, 0.00, 0.51
HSL	251°, 22%, 41%
HSV	251°, 36%, 49%
XYZ	10.8527, 9.5379, 21.0446
YIQ	88.5220, -9.6770, 15.6910

Conversions

Conversions Part 2

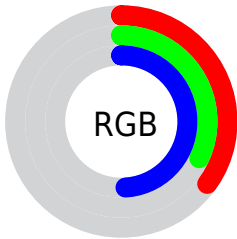
Format	Color
R_{YB}	89, 81, 126
Decimal	5853566
CIE _{Lab}	37.00, 14.12, -24.26
CIE _{LCh}	37, 28.067, 300.207
Yxy	9.5379, 0.2619, 0.2302
Android (android.graphics.Color)	4284043646 (0xFF59517E)
YUV	88.5220, 18.4767, 0.4192
Hunter-Lab	30.8835, 8.6800, -18.7828

Details

The CIELCh color $37, 28.067, 300.207$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 25.915, 114.706$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 28.315, 300.333$, and $17, 28.560, 300.315$ is the 20% darker color. If you saturate the color by 10%, you get $33, 36.577, 301.343$, and if you desaturate by 10%, it is $41, 19.830, 299.194$.

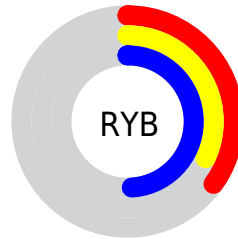
Distribution



 Red (35%)

 Green (32%)

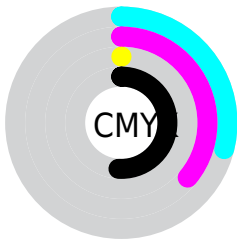
 Blue (49%)



 Red (35%)

 Yellow (32%)

 Blue (49%)

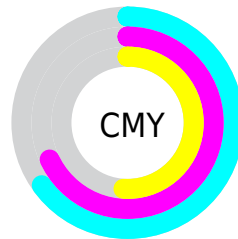


 Cyan (29%)

 Magenta (36%)

 Yellow (0%)

 Black (51%)



 Cyan (65%)


 Magenta (68%)

 Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 28.067, 300.207 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 37, 28.067, 300.207 by changing the saturation by 10% instead.

 37, 28.067,
300.207

 37, 28.067,
300.207

 100, 28.067,
300.207

 27, 28.067,
300.207

 57, 28.067,
300.207

 17, 28.067,
300.207

 67, 28.067,
300.207

 7, 28.067, 300.207

 77, 28.067,
300.207

 0, 28.067, 300.207

 87, 28.067,
300.207

 97, 28.067,
300.207

■ 37, 28.067,
300.207

■ 37, 28.067,
300.207

■ 33, 36.577,
301.343

■ 41, 19.830,
299.194

■ 28, 45.294,
302.586

■ 46, 11.888,
298.305

■ 24, 54.046,
303.886

■ 50, 4.236, 297.531

■ 20, 62.471,
305.143

■ 55, 3.139, 116.862

■ 17, 69.920,
306.193

■ 59, 10.251,
116.282

■ 15, 75.701,
306.901

■ 63, 17.118,
115.781

■ 14, 78.183,
307.292

■ 68, 23.754,
115.349

■ 72, 30.176,
114.976

■ 76, 36.396,
114.653

Harmonies

Complementary

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



37, 28.067, 300.207



51, 25.915, 114.706

Rectangle

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



37, 28.067, 300.207



37, 28.067, 350.207



37, 28.067, 120.207



37, 28.067, 170.207

Sweetspot

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



37, 28.066, 300.207



61, 10.208, 297.949



47, 13.934, 216.765



31, 6.838, 298.033



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



37, 28.066, 300.207



44, 42.381, 301.143



39, 29.750, 316.142



24, 4.258, 297.784



14, 78.811, 307.285



0, 0.000, 0.000

Inverse Universe

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



41, 28.386, 331.928



49, 41.886, 332.463



50, 28.894, 133.043



25, 4.510, 330.269



28, 60.437, 336.522



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 37, 28.067, 300.207 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 CIE LCh color 37, 28.067, 300.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

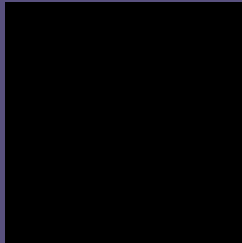
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 28.067, 300.207

Background



This preview shows how black text looks on a background with the CIELCh color 37, 28.067, 300.207.



This preview shows how white text looks on a background with the CIELCh color 37, 28.067, 300.207.

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

37, 28.067, 300.207

Protanopia

37, 27.342, 284.779

Deuteranopia

37, 24.358, 282.850



Tritanopia
37, 4.190, 261.683

Trichromacy



Original Color
37, 28.067, 300.207

Protanomaly
37, 27.818, 290.357

Deuteranomaly
37, 25.384, 289.516

Tritanomaly
37, 13.007, 292.259

Monochromacy



Original Color
37, 28.067, 300.207

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 9.984, 298.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 28.067, 300.207 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(89, 81, 126)` looks like.

```
.text, #text, p{  
    color:rgb(89, 81, 126)  
}
```

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(89, 81, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 81, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 28.067, 300.207 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(89, 81, 126) }
```

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

```
.border{ border-color:rgb(89, 81, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 81, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 81, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 81, 126);  
box-shadow:4px 4px 4px 4px rgb(89, 81,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 28.067, 300.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 81, 126) }
```

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

```
.background{ background-color: rgb(89, 81,  
126) }
```

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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