

Converting Colors

CIELCh(36, 27.384, 297.028)

Have a look what the booklet for
CIELCh(36, 27.384, 297.028)
contains.

CIELCh(36, 27.399, 296.656)	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, 27.399, 296.656)

Conversions

Conversions Part 1

Format	Color
Hex	53507C
RGB	83, 80, 124
RGB Percent	33%, 31%, 49%
CMY	0.6749, 0.6867, 0.5142
CMYK	0.33, 0.36, 0.00, 0.51
HSL	244°, 22%, 40%
HSV	244°, 36%, 49%
XYZ	10.0493, 9.0082, 20.2399
YIQ	85.9130, -12.3360, 14.3200

Conversions

Conversions Part 2

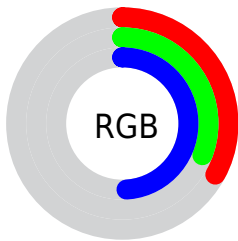
Format	Color
R_{YB}	83, 80, 124
Decimal	5460092
CIE _{Lab}	36.00, 12.29, -24.49
CIE _{LCh}	36, 27.399, 296.656
Yxy	9.0082, 0.2557, 0.2292
Android (android.graphics.Color)	4283650172 (0xFF53507C)
YUV	85.9130, 18.7769, -2.5547
Hunter-Lab	30.0136, 7.2425, -18.9731

Details


The CIELCh color **36, 27.399, 296.656** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **51, 25.193, 109.931**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 27.625, 296.898**, and **16, 27.228, 296.155** is the 20% darker color. If you saturate the color by 10%, you get **32, 35.816, 298.118**, and if you desaturate by 10%, it is **41, 19.293, 295.378**.

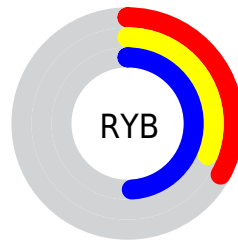
Distribution



 Red (33%)

 Green (31%)

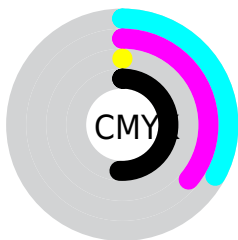
 Blue (49%)





 Red (33%)

 Yellow (31%)

 Blue (49%)

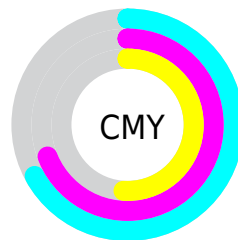


 Cyan (33%)

 Magenta (36%)

 Yellow (0%)

 Black (51%)



 Cyan (67%)


 Magenta (69%)


 Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 27.399, 296.656 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, 27.399, 296.656 by changing the saturation by 10% instead.


 36, 27.399,
296.656


 36, 27.399,
296.656

 100, 27.399,
296.656


 26, 27.399,
296.656

 56, 27.399,
296.656


 16, 27.399,
296.656


 66, 27.399,
296.656

 6, 27.399, 296.656

 76, 27.399,
296.656

 0, 27.399, 296.656

 86, 27.399,
296.656

 96, 27.399,
296.656

■ 36, 27.399,
296.656

■ 36, 27.399,
296.656

■ 32, 35.816,
298.118

■ 41, 19.293,
295.378

■ 27, 44.504,
299.755

■ 45, 11.503,
294.274

■ 23, 53.313,
301.514

■ 50, 4.012, 293.328

■ 19, 61.887,
303.276

■ 54, 3.198, 112.498

■ 16, 69.522,
304.835

■ 58, 10.147,
111.803

■ 14, 75.401,
306.005

■ 63, 16.853,
111.202

■ 13, 77.996,
306.611

■ 67, 23.332,
110.683

■ 71, 29.599,
110.234

■ 76, 35.667,
109.845

Harmonies

Complementary

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



36, 27.399, 296.656



51, 25.193, 109.931

Rectangle

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



36, 27.399, 296.656



36, 27.399, 346.656



36, 27.399, 116.656



36, 27.399, 166.656

Sweetspot

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



36, 27.398, 296.656



60, 10.011, 293.853



48, 14.776, 204.650



31, 6.793, 293.958



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



36, 27.398, 296.656



42, 41.738, 297.890



38, 28.667, 312.917



23, 4.087, 293.646



13, 78.481, 306.608



32, 132.479, 306.435

Inverse Universe

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



40, 30.001, 328.251



49, 44.542, 328.702



49, 27.532, 129.800



24, 4.707, 326.791



28, 64.701, 331.039



59, 108.612, 331.202

Previews

White Background



This preview shows how the CIELCh color 36, 27.399, 296.656 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 36, 27.399, 296.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

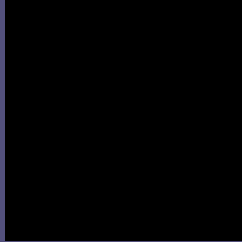
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 27.399, 296.656

Background



This preview shows how black text looks on a background with the CIELCh color 36, 27.399, 296.656.

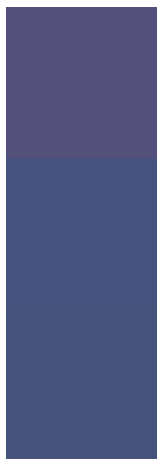


This preview shows how white text looks on a background with the CIELCh color 36, 27.399, 296.656.

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, 27.399, 296.656

Protanopia

36, 27.456, 285.610

Deuteranopia

36, 24.497, 282.261



Tritanopia
36, 5.833, 247.439

Trichromacy



Original Color
36, 27.399, 296.656

Protanomaly
36, 27.334, 289.582

Deuteranomaly
36, 24.899, 287.073

Tritanomaly
36, 12.522, 283.409

Monochromacy



Original Color
36, 27.399, 296.656

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 9.951, 294.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 27.399, 296.656 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(83, 80, 124)` looks like.

```
.text, #text, p{  
    color:rgb(83, 80, 124)  
}
```

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(83, 80, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 80, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 27.399, 296.656 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(83, 80, 124) }
```

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

```
.border{ border-color:rgb(83, 80, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 80, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 80, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 80, 124);  
box-shadow:4px 4px 4px 4px rgb(83, 80,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 27.399, 296.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 80, 124) }
```

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

```
.background{ background-color: rgb(83, 80,  
124) }
```

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