

Converting Colors

CIELCh(36, 26.842, 300.326)

Have a look what the booklet for
CIELCh(36, 26.842, 300.326)
contains.

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Color

CIELCh(36, 26.958, 300.413)

Conversions

Conversions Part 1

Format	Color
Hex	574F7A
RGB	87, 79, 122
RGB Percent	34%, 31%, 48%
CMY	0.6591, 0.6905, 0.5219
CMYK	0.29, 0.35, 0.00, 0.52
HSL	251°, 21%, 39%
HSV	251°, 35%, 48%
XYZ	10.2231, 9.0082, 19.5882
YIQ	86.2940, -9.0350, 15.0690

Conversions

Conversions Part 2

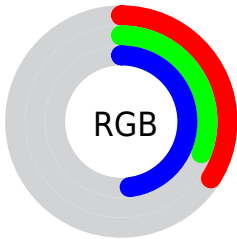
Format	Color
R_{YB}	87, 79, 122
Decimal	5721978
CIE _{Lab}	36.00, 13.65, -23.25
CIE _{LCh}	36, 26.958, 300.413
Yxy	9.0082, 0.2633, 0.2321
Android (android.graphics.Color)	4283912058 (0xFF574F7A)
YUV	86.2940, 17.6031, 0.6192
Hunter-Lab	30.0136, 8.2759, -17.6858

Details

The CIELCh color $36, 26.958, 300.413$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $50, 24.940, 115.091$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 27.262, 300.577$, and $16, 26.640, 300.368$ is the 20% darker color. If you saturate the color by 10%, you get $32, 35.219, 301.517$, and if you desaturate by 10%, it is $40, 18.960, 299.428$.

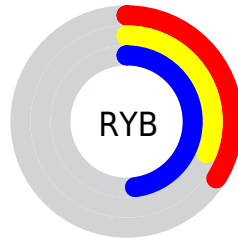
Distribution



 Red (34%)

 Green (31%)

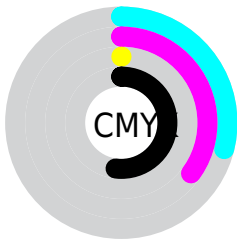
 Blue (48%)




 Red (34%)

 Yellow (31%)

 Blue (48%)

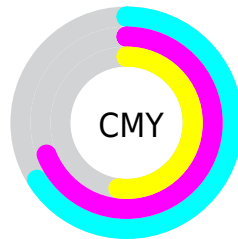


 Cyan (29%)

 Magenta (35%)

 Yellow (0%)

 Black (52%)



 Cyan (66%)

 Magenta (69%)


 Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 26.958, 300.413 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, 26.958, 300.413 by changing the saturation by 10% instead.


 36, 26.958,
300.413


 36, 26.958,
300.413

 100, 26.958,
300.413


 26, 26.958,
300.413

 56, 26.958,
300.413

 16, 26.958,
300.413


 66, 26.958,
300.413

 6, 26.958, 300.413

 76, 26.958,
300.413

 0, 26.958, 300.413

 86, 26.958,
300.413

 96, 26.958,
300.413

■ 36, 26.958,
300.413

■ 36, 26.958,
300.413

■ 32, 35.219,
301.517

■ 40, 18.960,
299.428

■ 28, 43.682,
302.723

■ 45, 11.245,
298.563

■ 24, 52.187,
303.987

■ 49, 3.810, 297.808

■ 20, 60.398,
305.214

■ 53, 3.357, 117.156

■ 17, 67.714,
306.247

■ 57, 10.271,
116.589

■ 14, 73.471,
306.951

■ 62, 16.948,
116.100

■ 13, 76.206,
307.386

■ 66, 23.403,
115.677

■ 70, 29.650,
115.311

■ 74, 35.701,
114.995

Harmonies

Complementary

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



36, 26.958, 300.413



50, 24.940, 115.091

Rectangle

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



36, 26.958, 300.413



36, 26.958, 350.413



36, 26.958, 120.413



36, 26.958, 170.413

Sweetspot

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



36, 26.957, 300.413



59, 9.953, 298.249



46, 13.300, 218.926



30, 6.664, 298.329



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



36, 26.957, 300.413



43, 40.269, 301.259



38, 28.674, 316.649



23, 4.117, 298.083



14, 77.578, 307.368



33, 131.257, 307.026

Inverse Universe

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



39, 27.137, 332.189



48, 39.704, 332.694



48, 27.913, 133.587



24, 4.334, 330.545



28, 59.226, 336.958



57, 98.977, 337.528

Previews

White Background



This preview shows how the CIELCh color 36, 26.958, 300.413 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, 26.958, 300.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

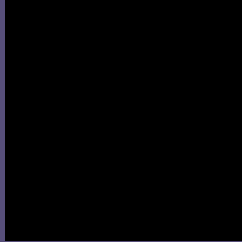
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 26.958, 300.413

Background



This preview shows how black text looks on a background with the CIELCh color 36, 26.958, 300.413.

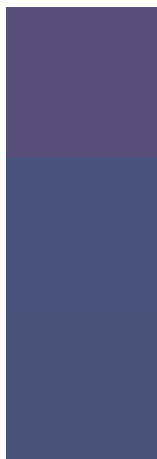


This preview shows how white text looks on a background with the CIELCh color 36, 26.958, 300.413.

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, 26.958, 300.413

Protanopia

36, 26.854, 285.269

Deuteranopia

36, 23.202, 282.865



Tritanopia
36, 4.612, 270.139

Trichromacy



Original Color
36, 26.958, 300.413

Protanomaly
36, 26.704, 290.049

Deuteranomaly
36, 24.240, 289.940

Tritanomaly
36, 12.439, 292.203

Monochromacy



Original Color
36, 26.958, 300.413

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 10.044, 298.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 26.958, 300.413 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(87, 79, 122)` looks like.

```
.text, #text, p{  
    color:rgb(87, 79, 122)  
}
```

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(87, 79, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 79, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 26.958, 300.413 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(87, 79, 122) }
```

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

```
.border{ border-color:rgb(87, 79, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 79, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 79, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 79, 122);  
box-shadow:4px 4px 4px 4px rgb(87, 79,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 26.958, 300.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 79, 122) }
```

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

```
.background{ background-color: rgb(87, 79,  
122) }
```

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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