

Converting Colors

CIELCh(42, 35.794, 290.727)

Have a look what the booklet for
CIELCh(42, 35.794, 290.727)
contains.

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Color

CIELCh(42, 35.636, 290.680)

Conversions

Conversions Part 1

Format	Color
Hex	565F9A
RGB	86, 95, 154
RGB Percent	34%, 37%, 60%
CMY	0.6627, 0.6274, 0.3960
CMYK	0.44, 0.38, 0.00, 0.40
HSL	232°, 28%, 47%
HSV	232°, 44%, 60%
XYZ	13.7669, 12.5000, 32.2664
YIQ	99.0350, -24.3030, 16.4410

Conversions

Conversions Part 2

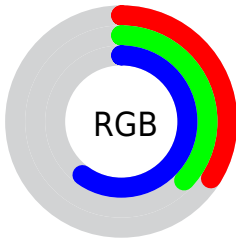
Format	Color
R_{YB}	86, 94, 154
Decimal	5660570
CIE _{Lab}	42.00, 12.58, -33.34
CIE _{LCh}	42, 35.636, 290.680
Yxy	12.5000, 0.2352, 0.2136
Android (android.graphics.Color)	4283850650 (0xFF565F9A)
YUV	99.0350, 27.0977, -11.4317
Hunter-Lab	35.3553, 7.6338, -29.3612

Details

The CIELCh color **42, 35.636, 290.680** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **60, 32.874, 99.416**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 35.936, 290.976**, and **22, 35.512, 290.547** is the 20% darker color. If you saturate the color by 10%, you get **37, 44.531, 292.834**, and if you desaturate by 10%, it is **47, 27.065, 288.806**.

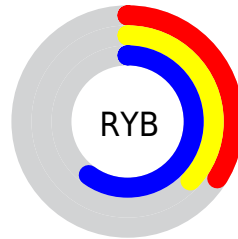
Distribution



Red (34%)

Green (37%)

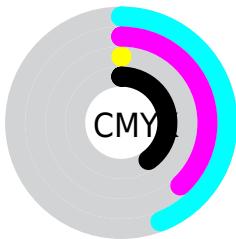
Blue (60%)



Red (34%)

Yellow (37%)

Blue (60%)

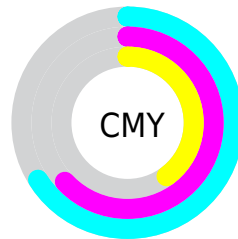


Cyan (44%)

Magenta (38%)

Yellow (0%)

Black (40%)



Cyan (66%)


Magenta (63%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 35.636, 290.680 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 42, 35.636, 290.680 by changing the saturation by 10% instead.


 42, 35.636,
290.680


 42, 35.636,
290.680


 100, 35.636,
290.680


 32, 35.636,
290.680

 62, 35.636,
290.680


 22, 35.636,
290.680

 72, 35.636,
290.680

 12, 35.636,
290.680

 82, 35.636,
290.680

 2, 35.636, 290.680

 92, 35.636,
290.680

 0, 35.636, 290.680

 42, 35.636,

 42, 35.636,

290.680

■ 37, 44.531,
292.834

■ 33, 53.730,
295.252

■ 28, 63.105,
297.861

■ 24, 72.304,
300.498

■ 21, 80.616,
302.910

■ 19, 84.729,
304.021

290.680

■ 47, 27.065,
288.806

■ 52, 18.807,
287.195

■ 57, 10.837,
285.817

■ 62, 3.132, 284.656

■ 66, 4.327, 103.584

■ 71, 11.557,
102.721

■ 76, 18.572,
101.964

■ 81, 25.383,
101.302

■ 86, 32.002,
100.721

Harmonies

Complementary

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



42, 35.636, 290.680



60, 32.874, 99.416

Rectangle

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



42, 35.636, 290.680



42, 35.636, 340.680



42, 35.636, 110.680



42, 35.636, 160.680

Sweetspot

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



42, 35.635, 290.680



73, 12.373, 285.704



59, 23.924, 184.746



38, 8.756, 285.970



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



42, 35.635, 290.680



49, 54.234, 292.814



42, 41.989, 307.043



30, 4.272, 285.215



17, 78.661, 303.848



1, 4.567, 284.299

Inverse Universe

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



45, 30.009, 13.932



54, 45.530, 16.025



60, 38.641, 122.027



30, 3.486, 9.256



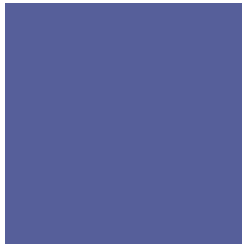
28, 61.515, 32.862



1, 3.668, 8.717

Previews

White Background



This preview shows how the CIE LCh color 42, 35.636, 290.680 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 35.636, 290.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

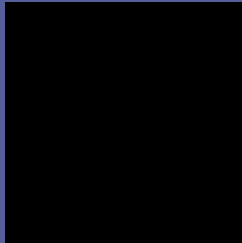
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 35.636, 290.680

Background



This preview shows how black text looks on a background with the CIELCh color 42, 35.636, 290.680.

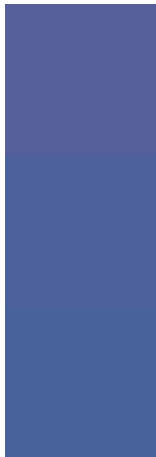


This preview shows how white text looks on a background with the CIELCh color 42, 35.636, 290.680.

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


42, 35.636, 290.680

Protanopia

42, 35.817, 285.602

Deuteranopia

42, 33.182, 280.303



Tritanopia
42, 11.568, 223.146

Trichromacy



Original Color
42, 35.636, 290.680

Protanomaly
42, 35.744, 287.410

Deuteranomaly
42, 33.521, 283.426

Tritanomaly
42, 17.175, 265.910

Monochromacy



Original Color
42, 35.636, 290.680

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 12.755, 285.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 35.636, 290.680 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(86, 95, 154)` looks like.

```
.text, #text, p{  
    color:rgb(86, 95, 154)  
}
```

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(86, 95, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 95, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 35.636, 290.680 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(86, 95, 154) }
```

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

```
.border{ border-color:rgb(86, 95, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 95, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 95, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 95, 154);  
box-shadow:4px 4px 4px 4px rgb(86, 95,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 35.636, 290.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 95, 154) }
```

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

```
.background{ background-color: rgb(86, 95,  
154) }
```

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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