

Converting Colors

CIELCh(40, 35.981, 291.006)

Have a look what the booklet for
CIELCh(40, 35.981, 291.006)
contains.

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Color

CIELCh(40, 35.942, 290.955)

Conversions

Conversions Part 1

Format	Color
Hex	515A95
RGB	81, 90, 149
RGB Percent	32%, 35%, 58%
CMY	0.6820, 0.6468, 0.4154
CMYK	0.46, 0.40, 0.00, 0.42
HSL	232°, 30%, 45%
HSV	232°, 46%, 58%
XYZ	12.4947, 11.2510, 29.9825
YIQ	94.0350, -24.3030, 16.4410

Conversions

Conversions Part 2

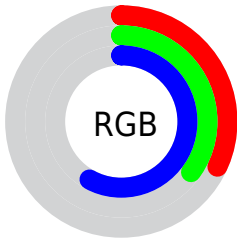
Format	Color
R_{YB}	81, 89, 149
Decimal	5331605
CIE _{Lab}	40.00, 12.85, -33.56
CIE _{LCh}	40, 35.942, 290.955
Yxy	11.2510, 0.2326, 0.2094
Android (android.graphics.Color)	4283521685 (0xFF515A95)
YUV	94.0350, 27.0977, -11.4317
Hunter-Lab	33.5425, 7.7927, -29.5176

Details

The CIELCh color **40, 35.942, 290.955** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **58, 33.041, 99.274**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 35.596, 290.997**, and **20, 35.917, 290.876** is the 20% darker color. If you saturate the color by 10%, you get **35, 44.647, 293.140**, and if you desaturate by 10%, it is **45, 27.553, 289.049**.

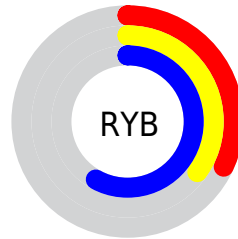
Distribution



Red (32%)

Green (35%)

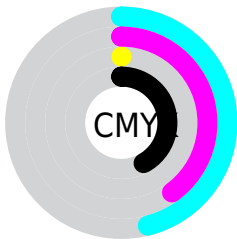
Blue (58%)



Red (32%)

Yellow (35%)

Blue (58%)

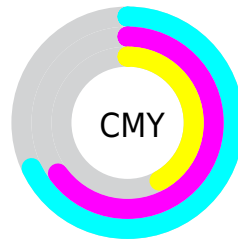


Cyan (46%)

Magenta (40%)

Yellow (0%)

Black (42%)



Cyan (68%)


Magenta (65%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 35.942, 290.955 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 40, 35.942, 290.955 by changing the saturation by 10% instead.


 40, 35.942,
290.955


 40, 35.942,
290.955


 100, 35.942,
290.955


 30, 35.942,
290.955

 60, 35.942,
290.955


 20, 35.942,
290.955

 70, 35.942,
290.955

 10, 35.942,
290.955

 80, 35.942,
290.955

 0, 35.942, 290.955

 90, 35.942,
290.955

 40, 35.942,

 40, 35.942,

290.955

■ 35, 44.647,
293.140

■ 31, 53.637,
295.581

■ 27, 62.770,
298.197

■ 23, 71.667,
300.814

■ 20, 79.599,
303.162

■ 19, 82.575,
303.965

290.955

■ 45, 27.553,
289.049

■ 50, 19.470,
287.408

■ 54, 11.670,
286.003

■ 59, 4.131, 284.811

■ 64, 3.167, 103.720

■ 69, 10.240,
102.848

■ 73, 17.102,
102.077

■ 78, 23.765,
101.403

■ 82, 30.239,
100.813

Harmonies

Complementary

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



40, 35.942, 290.955



58, 33.041, 99.274

Rectangle

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



40, 35.942, 290.955



40, 35.942, 340.955



40, 35.942, 110.955



40, 35.942, 160.955

Sweetspot

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



40, 35.941, 290.955



70, 12.933, 285.832



57, 23.944, 184.622



35, 8.932, 286.086



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



40, 35.941, 290.955



46, 54.735, 293.257



40, 42.306, 307.142



29, 4.153, 285.214



17, 77.528, 303.814



0, 3.584, 284.188

Inverse Universe

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



43, 30.264, 14.193



51, 45.880, 16.489



58, 38.815, 121.965



29, 3.389, 9.257



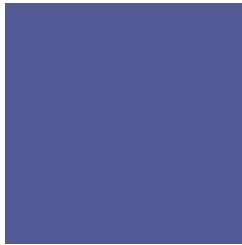
28, 60.645, 32.774



1, 2.887, 8.545

Previews

White Background



This preview shows how the CIELCh color 40, 35.942, 290.955 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 40, 35.942, 290.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

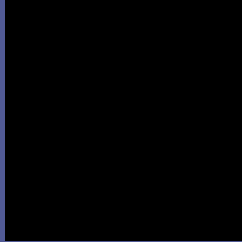
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 35.942, 290.955

Background



This preview shows how black text looks on a background with the CIELCh color 40, 35.942, 290.955.



This preview shows how white text looks on a background with the CIELCh color 40, 35.942, 290.955.

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

40, 35.942, 290.955

Protanopia

40, 36.144, 285.562

Deuteranopia

40, 33.482, 280.329



Tritanopia
40, 11.903, 222.566

Trichromacy



Original Color
40, 35.942, 290.955

Protanomaly
40, 36.044, 287.747

Deuteranomaly
40, 33.790, 283.810

Tritanomaly
40, 17.420, 265.250

Monochromacy



Original Color
40, 35.942, 290.955

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 12.870, 285.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 35.942, 290.955 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(81, 90, 149)` looks like.

```
.text, #text, p{  
    color:rgb(81, 90, 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(81, 90, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 90, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 35.942, 290.955 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(81, 90, 149) }
```

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

```
.border{ border-color:rgb(81, 90, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 90, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 90, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 90, 149);  
box-shadow:4px 4px 4px 4px rgb(81, 90,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 35.942, 290.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 90, 149) }
```

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

```
.background{ background-color: rgb(81, 90,  
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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