

Converting Colors

CIELCh(51, 37.325, 290.003)

Have a look what the booklet for
CIELCh(51, 37.325, 290.003)
contains.

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Color

CIELCh(51, 37.325, 290.003)

Conversions

Conversions Part 1

Format	Color
Hex	6B75B5
RGB	107, 117, 181
RGB Percent	42%, 46%, 71%
CMY	0.5794, 0.5402, 0.2891
CMYK	0.41, 0.35, 0.00, 0.29
HSL	232°, 33%, 57%
HSV	232°, 41%, 71%
XYZ	20.8523, 19.2686, 46.4797
YIQ	121.3060, -26.5040, 17.7840

Conversions

Conversions Part 2

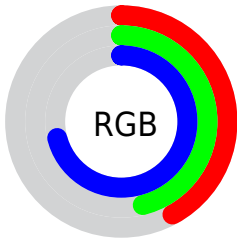
Format	Color
R _Y B	107, 116, 181
Decimal	7042485
CIE Lab	51.00, 12.77, -35.07
CIE LCh	51, 37.325, 290.003
Yxy	19.2686, 0.2408, 0.2225
Android (android.graphics.Color)	4285232565 (0xFF6B75B5)
YUV	121.3060, 29.4291, -12.5464
Hunter-Lab	43.8960, 7.9762, -32.0526

Details

The CIELCh color `51, 37.325, 290.003` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `70, 34.699, 99.578`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 37.172, 289.894`, and `31, 37.542, 290.003` is the 20% darker color. If you saturate the color by 10%, you get `45, 47.347, 292.110`, and if you desaturate by 10%, it is `57, 27.673, 288.181`.

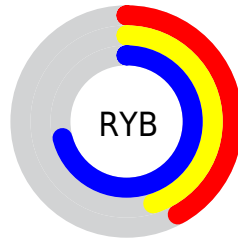
Distribution



Red (42%)

Green (46%)

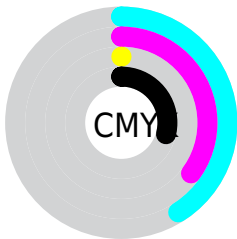
Blue (71%)



Red (42%)

Yellow (45%)

Blue (71%)

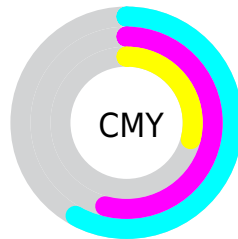


Cyan (41%)

Magenta (35%)

Yellow (0%)

Black (29%)



Cyan (58%)


Magenta (54%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 37.325, 290.003 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 51, 37.325, 290.003 by changing the saturation by 10% instead.


 51, 37.325,
290.003


 51, 37.325,
290.003


 100, 37.325,
290.003


 41, 37.325,
290.003


 71, 37.325,
290.003

 31, 37.325,
290.003

 81, 37.325,
290.003

 21, 37.325,
290.003

 91, 37.325,
290.003

 11, 37.325,
290.003

 1, 37.325, 290.003

 0, 37.325, 290.003

■ 51, 37.325,
290.003

■ 51, 37.325,
290.003

■ 45, 47.347,
292.110

■ 57, 27.673,
288.181

■ 40, 57.735,
294.498

■ 62, 18.373,
286.620

■ 35, 68.383,
297.111

■ 68, 9.395, 285.290

■ 30, 78.970,
299.805

■ 73, 0.714, 284.296

■ 79, 7.692, 103.139


■ 26, 88.786,
302.342

■ 84, 15.841,
102.300

■ 24, 96.204,
304.217

■ 90, 23.747,
101.568

■ 95, 31.424,
100.929

 98, 37.023,
107.355

Harmonies

Complementary

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



51, 37.325, 290.003



70, 34.699, 99.578

Rectangle

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



51, 37.325, 290.003



51, 37.325, 340.003



51, 37.325, 110.003



51, 37.325, 160.003

Sweetspot

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



51, 37.324, 290.003



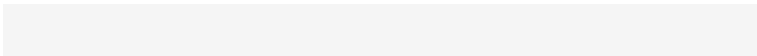
85, 12.870, 285.460



69, 25.779, 183.551



44, 8.547, 285.621



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 37.324, 290.003



59, 56.183, 291.884



51, 44.132, 306.307



36, 4.956, 285.112



20, 85.214, 303.976



2, 13.865, 285.997

Inverse Universe

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



54, 31.515, 13.225



64, 47.398, 15.009



70, 40.778, 121.499



36, 4.060, 9.077



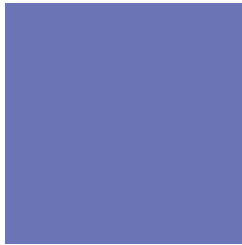
32, 66.573, 33.189



2, 10.767, 11.257

Previews

White Background



This preview shows how the CIELCh color 51, 37.325, 290.003 looks on a white 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

Black Background



This preview shows how the CIE LCh color 51, 37.325, 290.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

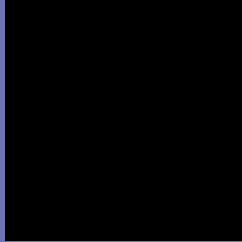
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 37.325, 290.003

Background



This preview shows how black text looks on a background with the CIELCh color 51, 37.325, 290.003.

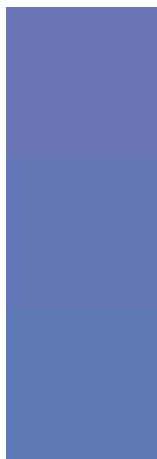


This preview shows how white text looks on a background with the CIELCh color 51, 37.325, 290.003.

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

51, 37.325, 290.003

Protanopia

51, 37.491, 285.546

Deuteranopia

51, 35.404, 281.765



Tritanopia
51, 12.091, 227.463

Trichromacy



Original Color
51, 37.325, 290.003

Protanomaly
51, 37.415, 287.301

Deuteranomaly
51, 35.791, 284.299

Tritanomaly
51, 18.357, 266.888

Monochromacy



Original Color
51, 37.325, 290.003

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 14.022, 287.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 37.325, 290.003 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(107, 117, 181)` looks like.

```
.text, #text, p{  
    color:rgb(107, 117, 181)  
}
```

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(107, 117, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 117, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 37.325, 290.003 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(107, 117, 181) }
```

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

```
.border{ border-color:rgb(107, 117, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 117, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 117, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 117, 181);  
box-shadow:4px 4px 4px 4px rgb(107, 117,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 37.325, 290.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 117, 181) }
```

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

```
.background{ background-color: rgb(107,  
117, 181) }
```

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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