

Converting Colors

CIELCh(51, 42.125, 285.890)

Have a look what the booklet for
CIELCh(51, 42.125, 285.890)
contains.

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Color

CIELCh(51, 42.125, 285.890)

Conversions

Conversions Part 1

Format	Color
Hex	5F77BF
RGB	95, 119, 191
RGB Percent	37%, 47%, 75%
CMY	0.6289, 0.5347, 0.2525
CMYK	0.50, 0.38, 0.00, 0.25
HSL	225°, 43%, 56%
HSV	225°, 50%, 75%
XYZ	20.5973, 19.2686, 51.7031
YIQ	120.0320, -37.4160, 17.3040

Conversions

Conversions Part 2

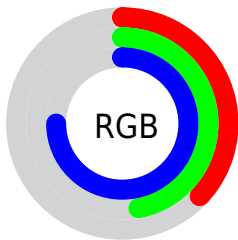
Format	Color
R _Y B	95, 114, 191
Decimal	6256575
CIE Lab	51.00, 11.53, -40.52
CIE LCh	51, 42.125, 285.890
Yxy	19.2686, 0.2249, 0.2104
Android (android.graphics.Color)	4284446655 (0xFF5F77BF)
YUV	120.0320, 34.9872, -21.9531
Hunter-Lab	43.8960, 6.9392, -39.1077

Details

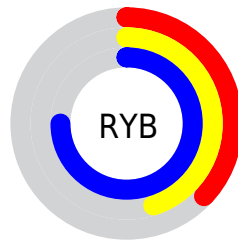
The CIELCh color `51, 42.125, 285.890` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `69, 40.197, 90.945`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 42.230, 285.724`, and `31, 42.132, 286.012` is the 20% darker color. If you saturate the color by 10%, you get `46, 51.250, 288.511`, and if you desaturate by 10%, it is `56, 33.285, 283.604`.

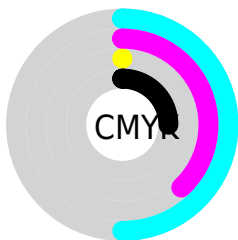
Distribution



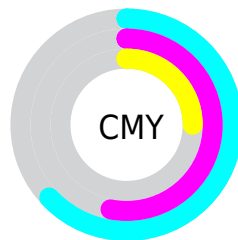
- Red (37%)
- Green (47%)
- Blue (75%)



- Red (37%)
- Yellow (45%)
- Blue (75%)



- Cyan (50%)
- Magenta (38%)
- Yellow (0%)
- Black (25%)





- Cyan (63%)
- Magenta (53%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 42.125, 285.890 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, 42.125, 285.890 by changing the saturation by 10% instead.


 51, 42.125,
285.890


 51, 42.125,
285.890


 100, 42.125,
285.890


 41, 42.125,
285.890


 71, 42.125,
285.890

 31, 42.125,
285.890

 81, 42.125,
285.890

 21, 42.125,
285.890

 91, 42.125,
285.890

 11, 42.125,
285.890

 1, 42.125, 285.890

 0, 42.125, 285.890

■ 51, 42.125,
285.890

■ 51, 42.125,
285.890

■ 46, 51.250,
288.511

■ 56, 33.285,
283.604

■ 41, 60.669,
291.443

■ 61, 24.706,
281.635

■ 37, 70.313,
294.601

■ 67, 16.360,
279.949

■ 32, 79.943,
297.811

■ 72, 8.226, 278.513

■ 29, 88.767,
300.658

■ 77, 0.291, 277.867

■ 82, 7.456, 96.150

■ 87, 15.022, 95.230

■ 92, 22.414, 94.421

■ 97, 28.857,
102.050

Harmonies

Complementary

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



51, 42.125, 285.890



69, 40.197, 90.945

Rectangle

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



51, 42.125, 285.890



51, 42.125, 335.890



51, 42.125, 105.890



51, 42.125, 155.890

Sweetspot

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



51, 42.124, 285.891



88, 14.801, 279.184



71, 34.860, 172.989



46, 10.206, 279.496



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



51, 42.124, 285.891



59, 63.007, 288.678



47, 57.145, 303.685



37, 4.458, 278.381



24, 76.247, 300.225



2, 14.389, 282.350

Inverse Universe

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



52, 41.261, 6.393



62, 60.538, 8.982



74, 50.653, 116.136



37, 4.319, 0.309



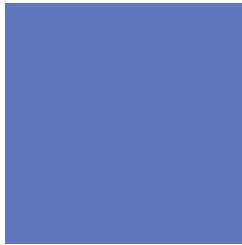
33, 62.679, 24.698



3, 12.675, 5.299

Previews

White Background



This preview shows how the CIELCh color 51, 42.125, 285.890 looks on a white background.

Color Contrast Check

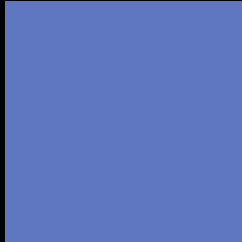
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.125, 285.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

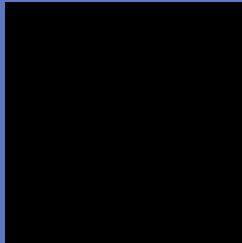
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 42.125, 285.890

Background



This preview shows how black text looks on a background with the CIELCh color 51, 42.125, 285.890.

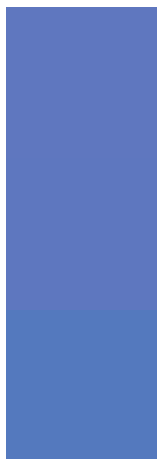


This preview shows how white text looks on a background with the CIELCh color 51, 42.125, 285.890.

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, 42.125, 285.890

Protanopia

51, 42.159, 285.544

Deuteranopia

51, 40.880, 280.576



Tritanopia
51, 18.016, 218.868

Trichromacy



Original Color
51, 42.125, 285.890

Protanomaly
51, 42.159, 285.544

Deuteranomaly
51, 41.258, 282.590

Tritanomaly
51, 22.680, 257.399

Monochromacy



Original Color
51, 42.125, 285.890

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 15.433, 280.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 42.125, 285.890 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(95, 119, 191)` looks like.

```
.text, #text, p{  
    color:rgb(95, 119, 191)  
}
```

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(95, 119, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 119, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 42.125, 285.890 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(95, 119, 191) }
```

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

```
.border{ border-color:rgb(95, 119, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 119, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 119, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 119, 191);  
box-shadow:4px 4px 4px 4px rgb(95, 119,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 42.125, 285.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 119, 191) }
```

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

```
.background{ background-color: rgb(95, 119,  
191) }
```

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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