

Converting Colors

CIELCh(51, 41.852, 282.549)

Have a look what the booklet for
CIELCh(51, 41.852, 282.549)
contains.

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Color

CIELCh(51, 41.852, 282.549)

Conversions

Conversions Part 1

Format	Color
Hex	5778BF
RGB	87, 120, 191
RGB Percent	34%, 47%, 75%
CMY	0.6582, 0.5289, 0.2504
CMYK	0.54, 0.37, 0.00, 0.25
HSL	221°, 45%, 55%
HSV	221°, 54%, 75%
XYZ	20.0993, 19.2686, 52.0386
YIQ	118.2270, -42.4590, 15.0850

Conversions

Conversions Part 2

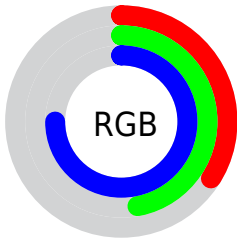
Format	Color
R_{YB}	87, 112, 191
Decimal	5732543
CIE Lab	51.00, 9.09, -40.85
CIE LCh	51, 41.852, 282.549
Yxy	19.2686, 0.2199, 0.2108
Android (android.graphics.Color)	4283922623 (0xFF5778BF)
YUV	118.2270, 35.8771, -27.3861
Hunter-Lab	43.8960, 4.9143, -39.5609

Details

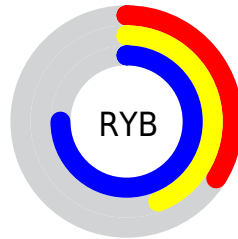
The CIELCh color `51, 41.852, 282.549` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `67, 41.421, 85.247`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 41.965, 282.525`, and `31, 41.845, 282.599` is the 20% darker color. If you saturate the color by 10%, you get `46, 50.108, 285.456`, and if you desaturate by 10%, it is `56, 33.807, 280.008`.

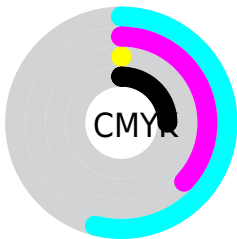
Distribution



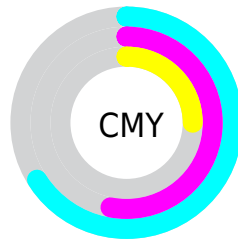
- Red (34%)
- Green (47%)
- Blue (75%)



- Red (34%)
- Yellow (44%)
- Blue (75%)



- Cyan (54%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)





- Cyan (66%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 41.852, 282.549 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, 41.852, 282.549 by changing the saturation by 10% instead.


 51, 41.852,
282.549


 51, 41.852,
282.549


 100, 41.852,
282.549


 41, 41.852,
282.549


 71, 41.852,
282.549

 31, 41.852,
282.549

 81, 41.852,
282.549

 21, 41.852,
282.549

 91, 41.852,
282.549

 11, 41.852,
282.549

 1, 41.852, 282.549

 0, 41.852, 282.549

■ 51, 41.852,
282.549

■ 51, 41.852,
282.549

■ 46, 50.108,
285.456

■ 56, 33.807,
280.008

■ 42, 58.604,
288.698

■ 61, 25.944,
277.817

■ 38, 67.317,
292.180

■ 65, 18.237,
275.942

■ 34, 76.109,
295.721

■ 70, 10.671,
274.342

■ 32, 80.974,
297.564

■ 75, 3.239, 273.011

■ 80, 4.063, 91.698

■ 85, 11.236, 90.703

■ 90, 18.280, 89.812

■ 94, 24.690, 92.593

Harmonies

Complementary

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



51, 41.852, 282.549



67, 41.421, 85.247

Rectangle

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



51, 41.852, 282.549



51, 41.852, 332.549



51, 41.852, 102.549



51, 41.852, 152.549

Sweetspot

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



51, 41.851, 282.550



88, 14.638, 274.619



71, 39.442, 167.664



46, 9.981, 274.941



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, 41.851, 282.550



59, 62.469, 285.961



44, 62.201, 302.376



37, 4.138, 273.630



26, 69.318, 297.050



3, 13.640, 279.534

Inverse Universe

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



51, 45.146, 2.288



60, 65.314, 5.232



74, 53.937, 112.941



37, 4.458, 355.601



33, 60.661, 18.806



3, 12.911, 1.763

Previews

White Background



This preview shows how the CIELCh color 51, 41.852, 282.549 looks on a white background.

Color Contrast Check

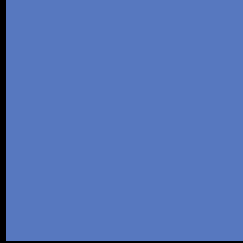
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 41.852, 282.549 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

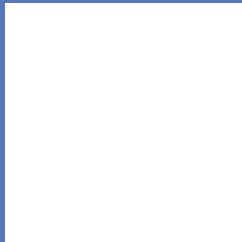
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 41.852, 282.549

Background



This preview shows how black text looks on a background with the CIELCh color 51, 41.852, 282.549.

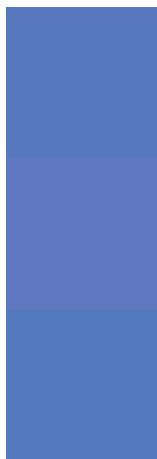


This preview shows how white text looks on a background with the CIELCh color 51, 41.852, 282.549.

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, 41.852, 282.549

Protanopia

51, 41.564, 285.661

Deuteranopia

51, 41.472, 280.583



Tritanopia
51, 20.468, 216.020

Trichromacy



Original Color
51, 41.852, 282.549

Protanomaly
51, 41.670, 284.616

Deuteranomaly
51, 41.381, 281.213

Tritanomaly
51, 23.967, 252.498

Monochromacy



Original Color
51, 41.852, 282.549

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 15.676, 276.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 41.852, 282.549 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, 120, 191)` looks like.

```
.text, #text, p{  
    color:rgb(87, 120, 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(87, 120, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 120, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 41.852, 282.549 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, 120, 191) }
```

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

```
.border{ border-color:rgb(87, 120, 191) }
```

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

Here you see how a box with a 4 pixel rgb(87, 120, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 120, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 120, 191);  
box-shadow:4px 4px 4px 4px rgb(87, 120,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 41.852, 282.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 120, 191) }
```

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

```
.background{ background-color: rgb(87, 120,  
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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