

Converting Colors

CIELCh(51, 23.932, 293.162)

Have a look what the booklet for
CIELCh(51, 23.932, 293.162)
contains.

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Color

CIELCh(51, 23.932, 293.162)

Conversions

Conversions Part 1

Format	Color
Hex	76769F
RGB	118, 118, 159
RGB Percent	46%, 46%, 62%
CMY	0.5377, 0.5377, 0.3770
CMYK	0.26, 0.26, 0.00, 0.38
HSL	240°, 18%, 54%
HSV	240°, 26%, 62%
XYZ	20.1641, 19.2686, 35.3973
YIQ	122.6740, -13.1610, 12.7510

Conversions

Conversions Part 2

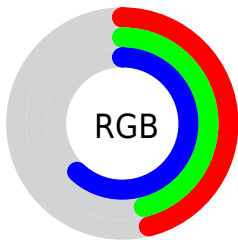
Format	Color
R_{YB}	118, 118, 159
Decimal	7763615
CIE _{Lab}	51.00, 9.41, -22.00
CIE _{LCh}	51, 23.932, 293.162
Yxy	19.2686, 0.2695, 0.2575
Android (android.graphics.Color)	4285953695 (0xFF76769F)
YUV	122.6740, 17.9087, -4.0991
Hunter-Lab	43.8960, 5.1778, -17.0836

Details

The CIELCh color $51, 23.932, 293.162$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 22.541, 107.731$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 24.073, 293.311$, and $31, 23.566, 292.588$ is the 20% darker color. If you saturate the color by 10%, you get $45, 33.908, 294.690$, and if you desaturate by 10%, it is $57, 14.362, 291.856$.

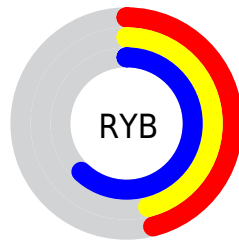
Distribution



Red (46%)

Green (46%)

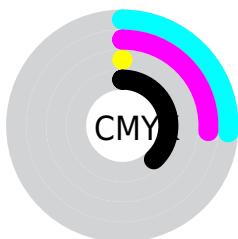
Blue (62%)



Red (46%)

Yellow (46%)

Blue (62%)

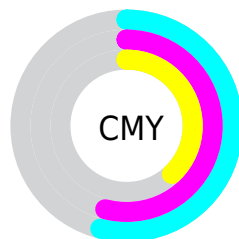


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (38%)



Cyan (54%)


Magenta (54%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 23.932, 293.162 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, 23.932, 293.162 by changing the saturation by 10% instead.


 51, 23.932,
293.162


 51, 23.932,
293.162


 100, 23.932,
293.162


 41, 23.932,
293.162


 71, 23.932,
293.162

 31, 23.932,
293.162

 81, 23.932,
293.162

 21, 23.932,
293.162

 91, 23.932,
293.162

 11, 23.932,
293.162

 1, 23.932, 293.162

 0, 23.932, 293.162

51, 23.932,
293.162

51, 23.932,
293.162

45, 33.908,
294.690

57, 14.362,
291.856

40, 44.299,
296.459

62, 5.176, 290.752

34, 55.053,
298.455

68, 3.656, 109.782

29, 65.958,
300.608

73, 12.161,
108.987

25, 76.472,
302.748

79, 20.362,
108.301

21, 85.510,
304.593

84, 28.280,
107.711


19, 91.698,
305.839

90, 35.934,
107.201

18, 93.946,

95, 43.342,
106.760

306.286

 98, 47.902,
106.515

Harmonies

Complementary

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



51, 23.932, 293.162



64, 22.541, 107.731

Rectangle

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



51, 23.932, 293.162



51, 23.932, 343.162



51, 23.932, 113.162



51, 23.932, 163.162

Sweetspot

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



51, 23.931, 293.161



77, 8.871, 290.994



63, 14.609, 196.621



40, 6.372, 291.148



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



51, 23.931, 293.161



61, 36.034, 294.017



53, 24.955, 309.717



30, 5.053, 291.110



15, 86.893, 306.286



0, 6.505, 290.175

Inverse Universe

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



54, 17.255, 21.360



65, 26.221, 22.021



63, 24.068, 127.307



31, 3.535, 19.893



29, 67.089, 39.158



1, 4.473, 19.399

Previews

White Background



This preview shows how the CIELCh color 51, 23.932, 293.162 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, 23.932, 293.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

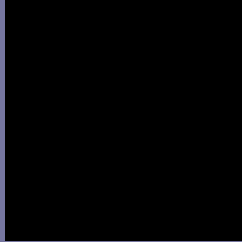
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 23.932, 293.162

Background



This preview shows how black text looks on a background with the CIELCh color 51, 23.932, 293.162.



This preview shows how white text looks on a background with the CIELCh color 51, 23.932, 293.162.

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, 23.932, 293.162

Protanopia

51, 23.458, 284.758

Deuteranopia

51, 23.370, 288.039



Tritanopia
51, 6.870, 257.428

Trichromacy



Original Color
51, 23.932, 293.162

Protanomaly
51, 23.947, 288.248

Deuteranomaly
51, 23.335, 289.698

Tritanomaly
51, 12.389, 281.454

Monochromacy



Original Color
51, 23.932, 293.162

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 8.743, 291.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 23.932, 293.162 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(118, 118, 159)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 159)  
}
```

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(118, 118, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 23.932, 293.162 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(118, 118, 159) }
```

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

```
.border{ border-color:rgb(118, 118, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 159);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 23.932, 293.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 159) }
```

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

```
.background{ background-color: rgb(118,  
118, 159) }
```

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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