

Converting Colors

CIELCh(50, 22.391, 267.847)

Have a look what the booklet for
CIELCh(50, 22.391, 267.847)
contains.

CIELCh(50, 22.682, 268.118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 22.682, 268.118)

Conversions

Conversions Part 1

Format	Color
Hex	5C799D
RGB	92, 121, 157
RGB Percent	36%, 47%, 62%
CMY	0.6388, 0.5251, 0.3839
CMYK	0.41, 0.23, 0.00, 0.38
HSL	213°, 26%, 49%
HSV	213°, 41%, 62%
XYZ	17.3692, 18.4187, 34.5871
YIQ	116.4330, -28.8400, 5.0480

Conversions

Conversions Part 2

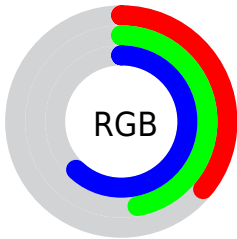
Format	Color
R_{YB}	92, 112, 157
Decimal	6060445
CIE _{Lab}	50.00, -0.74, -22.67
CIE _{LCh}	50, 22.682, 268.118
Yxy	18.4187, 0.2468, 0.2617
Android (android.graphics.Color)	4284250525 (0xFF5C799D)
YUV	116.4330, 19.9995, -21.4277
Hunter-Lab	42.9170, -2.8627, -17.7403

Details

The CIELCh color $50, 22.682, 268.118$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $56, 24.491, 75.717$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 22.880, 268.861$, and $30, 22.746, 268.099$ is the 20% darker color. If you saturate the color by 10%, you get $47, 28.112, 270.660$, and if you desaturate by 10%, it is $54, 17.228, 265.952$.

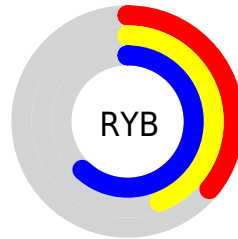
Distribution



Red (36%)

Green (47%)

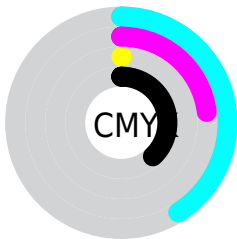
Blue (62%)



Red (36%)

Yellow (44%)

Blue (62%)

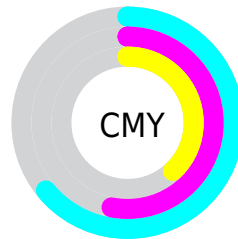


Cyan (41%)

Magenta (23%)

Yellow (0%)

Black (38%)



Cyan (64%)


Magenta (53%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 22.682, 268.118 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 50, 22.682, 268.118 by changing the saturation by 10% instead.


 50, 22.682,
268.118


 50, 22.682,
268.118


 100, 22.682,
268.118


 40, 22.682,
268.118


 70, 22.682,
268.118

 30, 22.682,
268.118


 80, 22.682,
268.118


 20, 22.682,
268.118

 90, 22.682,
268.118

 10, 22.682,
268.118

 0, 22.682, 268.118

 50, 22.682,
268.118

 50, 22.682,
268.118

47, 28.112,
270.660

54, 17.228,
265.952

43, 33.533,
273.621

57, 11.750,
264.117

40, 38.978,
277.015

61, 6.258, 262.570

37, 44.498,
280.807

64, 0.761, 261.545

34, 50.146,
284.891

68, 4.726, 79.980

31, 55.166,
288.354

72, 10.192, 79.018

75, 15.626, 78.163

79, 21.019, 77.409

82, 26.364, 76.743

Harmonies

Complementary

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



50, 22.682, 268.118



56, 24.491, 75.717

Rectangle

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



50, 22.682, 268.118



50, 22.682, 318.118



50, 22.682, 88.118



50, 22.682, 138.118

Sweetspot

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



50, 22.681, 268.117



77, 8.167, 262.691



60, 29.130, 162.325



40, 5.404, 262.862



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 22.681, 268.117



60, 33.848, 270.547



42, 39.294, 297.094



32, 3.128, 262.278



28, 51.005, 287.977



2, 4.181, 263.266

Inverse Universe

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



47, 30.941, 350.991



57, 45.936, 352.432



63, 35.393, 108.572



31, 4.151, 347.401



30, 54.825, 6.096



1, 5.283, 348.010

Previews

White Background



This preview shows how the CIELCh color 50, 22.682, 268.118 looks on a white background.

Color Contrast Check

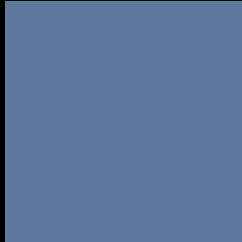
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 22.682, 268.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

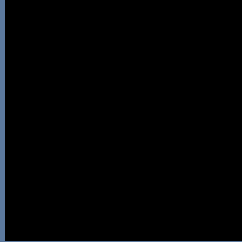
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

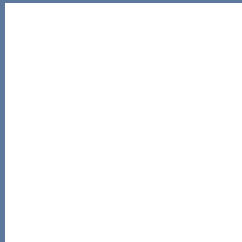
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 22.682, 268.118

Background



This preview shows how black text looks on a background with the CIELCh color 50, 22.682, 268.118.

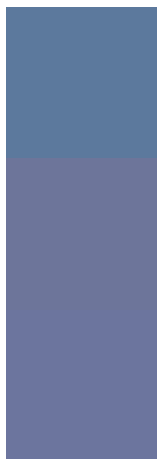


This preview shows how white text looks on a background with the CIELCh color 50, 22.682, 268.118.

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

50, 22.682, 268.118

Protanopia

50, 21.762, 285.631

Deuteranopia

50, 24.098, 285.933



Tritanopia
50, 14.666, 221.829

Trichromacy



Original Color
50, 22.682, 268.118

Protanomaly
50, 22.074, 279.599

Deuteranomaly
50, 23.822, 280.168

Tritanomaly
50, 16.217, 242.065

Monochromacy



Original Color
50, 22.682, 268.118

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.939, 266.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 22.682, 268.118 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(92, 121, 157)` looks like.

```
.text, #text, p{  
    color:rgb(92, 121, 157)  
}
```

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(92, 121, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 121, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 22.682, 268.118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

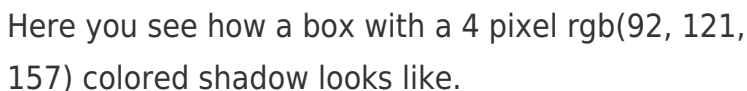
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 121, 157) }
```

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

```
.border{ border-color:rgb(92, 121, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(92, 121, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 121, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 121, 157);  
box-shadow:4px 4px 4px 4px rgb(92, 121,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 22.682, 268.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 121, 157) }
```

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

```
.background{ background-color: rgb(92, 121,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor