

Converting Colors

CIELCh(50, 21.374, 257.217)

Have a look what the booklet for
CIELCh(50, 21.374, 257.217)
contains.

CIELCh(50, 21.390, 257.282)	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, 21.390, 257.282)

Conversions

Conversions Part 1

Format	Color
Hex	557B9A
RGB	85, 123, 154
RGB Percent	33%, 48%, 60%
CMY	0.6668, 0.5178, 0.3962
CMYK	0.45, 0.20, 0.00, 0.40
HSL	207°, 29%, 47%
HSV	207°, 45%, 60%
XYZ	16.6513, 18.4187, 33.2330
YIQ	115.1720, -32.5990, 1.5850

Conversions

Conversions Part 2

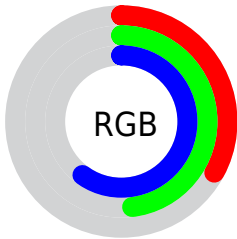
Format	Color
R_{YB}	85, 110, 154
Decimal	5602202
CIE _{Lab}	50.00, -4.71, -20.87
CIE _{LCh}	50, 21.390, 257.282
Yxy	18.4187, 0.2438, 0.2697
Android (android.graphics.Color)	4283792282 (0xFF557B9A)
YUV	115.1720, 19.1422, -26.4608
Hunter-Lab	42.9170, -5.8485, -15.8697

Details

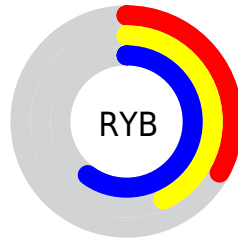
The CIELCh color **50, 21.390, 257.282** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **52, 25.314, 64.744**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 21.259, 257.610**, and **30, 21.672, 258.246** is the 20% darker color. If you saturate the color by 10%, you get **47, 25.752, 259.957**, and if you desaturate by 10%, it is **53, 16.855, 255.043**.

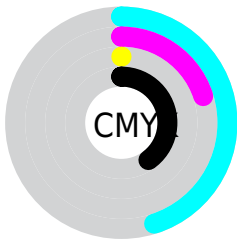
Distribution



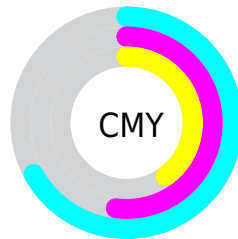
- Red (33%)
- Green (48%)
- Blue (60%)



- Red (33%)
- Yellow (43%)
- Blue (60%)



- Cyan (45%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 21.390, 257.282 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, 21.390, 257.282 by changing the saturation by 10% instead.

■ 50, 21.390,
257.282

■ 50, 21.390,
257.282

■ 100, 21.390,
257.282

■ 40, 21.390,
257.282

■ 70, 21.390,
257.282

■ 30, 21.390,
257.282

■ 80, 21.390,
257.282

■ 20, 21.390,
257.282

■ 90, 21.390,
257.282

■ 10, 21.390,
257.282

■ 0, 21.390, 257.282

■ 50, 21.390,
257.282

■ 50, 21.390,
257.282

47, 25.752,
259.957

53, 16.855,
255.043

44, 29.946,
263.127

56, 12.163,
253.179

42, 34.002,
266.820

59, 7.338, 251.635

39, 37.983,
271.013

62, 2.408, 250.420

65, 2.601, 69.050

37, 41.981,
275.592

68, 7.665, 68.201

36, 44.130,
277.880

71, 12.761, 67.421

75, 17.873, 66.743

78, 22.985, 66.153

Harmonies

Complementary

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



50, 21.390, 257.282



52, 25.314, 64.744

Rectangle

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



50, 21.390, 257.282



50, 21.390, 307.282



50, 21.390, 77.282



50, 21.390, 127.282

Sweetspot

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



50, 21.389, 257.281



75, 7.947, 251.420



58, 34.016, 155.950



39, 5.535, 251.703



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 21.389, 257.281



60, 31.246, 260.023



40, 39.121, 293.704



31, 2.801, 250.903



32, 40.922, 277.449



2, 3.069, 250.801

Inverse Universe

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



45, 34.833, 345.186



54, 50.887, 346.515



61, 35.360, 102.861



30, 4.332, 341.685



30, 55.151, 356.376



1, 4.607, 341.477

Previews

White Background



This preview shows how the CIELCh color 50, 21.390, 257.282 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 50, 21.390, 257.282 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

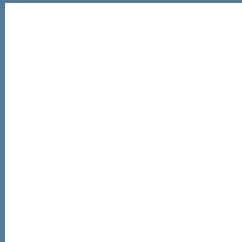
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 21.390, 257.282

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.390, 257.282.

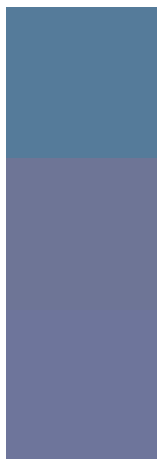


This preview shows how white text looks on a background with the CIELCh color 50, 21.390, 257.282.

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, 21.390, 257.282

Protanopia

50, 19.420, 285.357

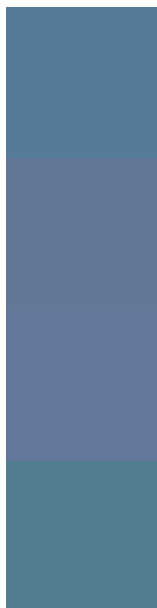
Deuteranopia

50, 22.308, 286.781



Tritanopia
50, 16.589, 218.754

Trichromacy



Original Color
50, 21.390, 257.282

Protanomaly
50, 19.504, 274.091

Deuteranomaly
50, 21.698, 276.571

Tritanomaly
50, 17.461, 235.622

Monochromacy



Original Color
50, 21.390, 257.282

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.218, 251.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.390, 257.282 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(85, 123, 154)` looks like.

```
.text, #text, p{  
    color:rgb(85, 123, 154)  
}
```

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(85, 123, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 123, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.390, 257.282 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(85, 123, 154) }
```

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

```
.border{ border-color:rgb(85, 123, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 123, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 123, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 123, 154);  
box-shadow:4px 4px 4px 4px rgb(85, 123,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.390, 257.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 123, 154) }
```

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

```
.background{ background-color: rgb(85, 123,  
154) }
```

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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