

Converting Colors

CIELCh(51, 22.695, 257.829)

Have a look what the booklet for
CIELCh(51, 22.695, 257.829)
contains.

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Color

CIELCh(51, 22.663, 257.331)

Conversions

Conversions Part 1

Format	Color
Hex	557E9F
RGB	85, 126, 159
RGB Percent	33%, 49%, 62%
CMY	0.6677, 0.5069, 0.3775
CMYK	0.47, 0.21, 0.00, 0.38
HSL	207°, 30%, 48%
HSV	207°, 47%, 62%
XYZ	17.3848, 19.2686, 35.4809
YIQ	117.5030, -35.0290, 1.5710

Conversions

Conversions Part 2

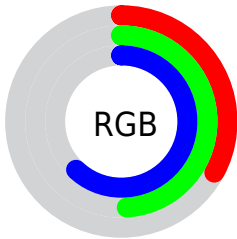
Format	Color
R_{YB}	85, 111, 159
Decimal	5602975
CIE _{Lab}	51.00, -4.97, -22.11
CIE _{LCh}	51, 22.663, 257.331
Yxy	19.2686, 0.2410, 0.2671
Android (android.graphics.Color)	4283793055 (0xFF557E9F)
YUV	117.5030, 20.4580, -28.5051
Hunter-Lab	43.8960, -6.1240, -17.1966

Details

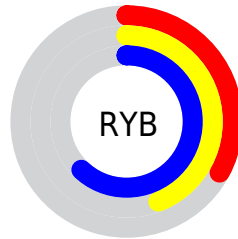
The CIELCh color `51, 22.663, 257.331` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `53, 27.123, 64.179`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 22.670, 256.728`, and `31, 22.524, 257.150` is the 20% darker color. If you saturate the color by 10%, you get `48, 27.070, 260.101`, and if you desaturate by 10%, it is `54, 18.071, 255.013`.

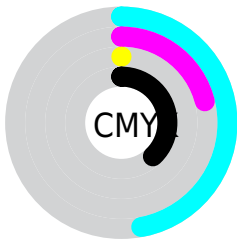
Distribution



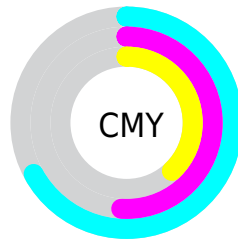
- Red (33%)
- Green (49%)
- Blue (62%)



- Red (33%)
- Yellow (44%)
- Blue (62%)



- Cyan (47%)
- Magenta (21%)
- Yellow (0%)
- Black (38%)



- Cyan (67%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 22.663, 257.331 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, 22.663, 257.331 by changing the saturation by 10% instead.

■ 51, 22.663,
257.331

■ 51, 22.663,
257.331

■ 100, 22.663,
257.331

■ 41, 22.663,
257.331

■ 71, 22.663,
257.331

■ 31, 22.663,
257.331

■ 81, 22.663,
257.331

■ 21, 22.663,
257.331

■ 91, 22.663,
257.331

■ 11, 22.663,
257.331

■ 1, 22.663, 257.331

■ 0, 22.663, 257.331

51, 22.663,
257.331

51, 22.663,
257.331

48, 27.070,
260.101

54, 18.071,
255.013

45, 31.303,
263.378

57, 13.310,
253.085

43, 35.396,
267.186

60, 8.403, 251.487

40, 39.423,
271.487

63, 3.379, 250.200

66, 1.733, 68.766

38, 43.490,
276.116

70, 6.909, 67.958

37, 44.917,
277.604

73, 12.124, 67.164

76, 17.359, 66.473

79, 22.598, 65.873

Harmonies

Complementary

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



51, 22.663, 257.331



53, 27.123, 64.179

Rectangle

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



51, 22.663, 257.331



51, 22.663, 307.331



51, 22.663, 77.331



51, 22.663, 127.331

Sweetspot

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



51, 22.662, 257.330



77, 8.796, 251.156



60, 36.179, 155.708



40, 6.108, 251.444



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, 22.662, 257.330



62, 33.155, 260.239



41, 41.881, 294.081



32, 2.872, 250.503



33, 41.236, 277.124



2, 3.855, 252.600

Inverse Universe

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



46, 37.142, 345.225



55, 54.241, 346.622



63, 37.630, 102.672



31, 4.462, 341.514



30, 55.930, 356.135



1, 5.667, 342.292

Previews

White Background



This preview shows how the CIELCh color 51, 22.663, 257.331 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, 22.663, 257.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

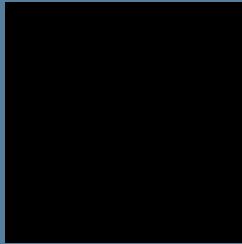
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

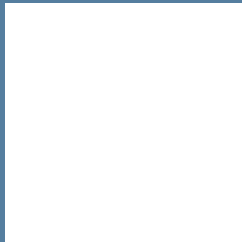
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 22.663, 257.331

Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.663, 257.331.

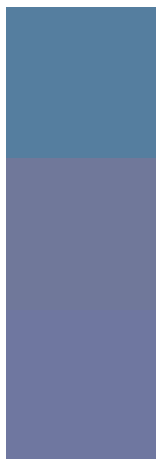


This preview shows how white text looks on a background with the CIELCh color 51, 22.663, 257.331.

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, 22.663, 257.331

Protanopia

51, 19.947, 284.610

Deuteranopia

51, 23.998, 286.657



Tritanopia
51, 17.759, 219.208

Trichromacy



Original Color
51, 22.663, 257.331

Protanomaly
51, 20.692, 273.551

Deuteranomaly
51, 23.441, 276.570

Tritanomaly
51, 18.612, 234.978

Monochromacy



Original Color
51, 22.663, 257.331

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.855, 251.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 22.663, 257.331 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, 126, 159)` looks like.

```
.text, #text, p{  
    color:rgb(85, 126, 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(85, 126, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 126, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 22.663, 257.331 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, 126, 159) }
```

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

```
.border{ border-color:rgb(85, 126, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 126, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 126, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 126, 159);  
box-shadow:4px 4px 4px 4px rgb(85, 126,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 22.663, 257.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 126, 159) }
```

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

```
.background{ background-color: rgb(85, 126,  
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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