

Converting Colors

CIELCh(53, 42.849, 280.755)

Have a look what the booklet for
CIELCh(53, 42.849, 280.755)
contains.

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Color

CIELCh(53, 42.899, 280.831)

Conversions

Conversions Part 1

Format	Color
Hex	577EC7
RGB	87, 126, 199
RGB Percent	34%, 49%, 78%
CMY	0.6591, 0.5061, 0.2199
CMYK	0.56, 0.37, 0.00, 0.22
HSL	219°, 50%, 56%
HSV	219°, 56%, 78%
XYZ	21.6748, 21.0462, 56.9061
YIQ	122.6610, -46.6770, 14.4350

Conversions

Conversions Part 2

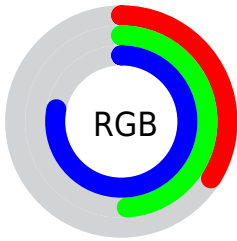
Format	Color
R _Y B	87, 116, 199
Decimal	5734087
CIE Lab	53.00, 8.06, -42.13
CIE LCh	53, 42.899, 280.831
Yxy	21.0462, 0.2176, 0.2112
Android (android.graphics.Color)	4283924167 (0xFF577EC7)
YUV	122.6610, 37.6351, -31.2747
Hunter-Lab	45.8761, 4.0517, -41.4319

Details

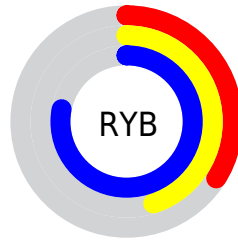
The CIELCh color **53, 42.899, 280.831** is a dark color, and the websafe version is hex **336699**. The color can be described as middle muted azure. A complement of this color would be **68, 43.430, 82.357**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 42.480, 280.757**, and **33, 42.867, 280.620** is the 20% darker color. If you saturate the color by 10%, you get **48, 50.984, 283.895**, and if you desaturate by 10%, it is **58, 34.993, 278.151**.

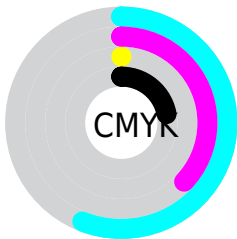
Distribution



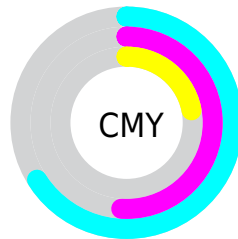
- Red (34%)
- Green (49%)
- Blue (78%)



- Red (34%)
- Yellow (45%)
- Blue (78%)



- Cyan (56%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



- Cyan (66%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 42.899, 280.831 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 53, 42.899, 280.831 by changing the saturation by 10% instead.

■ 53, 42.899,
280.831

■ 53, 42.899,
280.831

■ 100, 42.899,
280.831

■ 43, 42.899,
280.831

■ 73, 42.899,
280.831

■ 33, 42.899,
280.831

■ 83, 42.899,
280.831

■ 23, 42.899,
280.831

■ 93, 42.899,
280.831

■ 13, 42.899,
280.831

■ 3, 42.899, 280.831

■ 0, 42.899, 280.831

■ 53, 42.899,
280.831

■ 53, 42.899,
280.831

■ 48, 50.984,
283.895

■ 58, 34.993,
278.151

■ 44, 59.287,
287.307

■ 63, 27.234,
275.842

■ 40, 67.806,
290.963

■ 67, 19.595,
273.867

■ 36, 76.440,
294.668

■ 72, 12.064,
272.184

■ 35, 79.630,
295.937

■ 77, 4.636, 270.770

■ 82, 2.687, 89.378

■ 87, 9.904, 88.369

■ 92, 17.012, 87.443

■ 96, 22.751, 96.498

Harmonies

Complementary

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



53, 42.899, 280.831



68, 43.430, 82.357

Rectangle

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



53, 42.899, 280.831



53, 42.899, 330.831



53, 42.899, 100.831



53, 42.899, 150.831

Sweetspot

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



53, 42.898, 280.832



90, 15.400, 272.332



73, 42.526, 166.248



47, 10.314, 272.658



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 42.898, 280.832



60, 64.141, 284.784



44, 66.701, 302.243



39, 4.178, 271.175



28, 67.709, 295.387



4, 16.431, 280.240

Inverse Universe

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



52, 48.516, 0.446



61, 69.697, 3.728



77, 57.303, 112.062



39, 4.736, 353.519



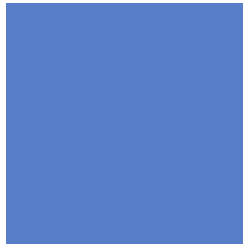
34, 61.433, 16.067



4, 16.743, 1.736

Previews

White Background



This preview shows how the CIE LCh color 53, 42.899, 280.831 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 53, 42.899, 280.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

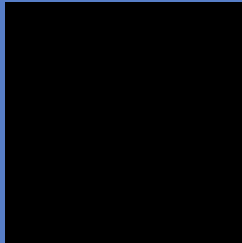
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 42.899, 280.831

Background



This preview shows how black text looks on a background with the CIELCh color 53, 42.899, 280.831.

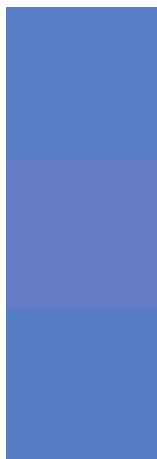


This preview shows how white text looks on a background with the CIELCh color 53, 42.899, 280.831.

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


53, 42.899, 280.831

Protanopia

53, 42.441, 285.477

Deuteranopia

53, 42.944, 280.533



Tritanopia
53, 22.403, 215.713

Trichromacy



Original Color
53, 42.899, 280.831

Protanomaly
53, 42.570, 283.731

Deuteranomaly
53, 42.944, 280.533

Tritanomaly
53, 25.848, 250.555

Monochromacy



Original Color
53, 42.899, 280.831

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 16.294, 274.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 42.899, 280.831 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, 126, 199)` looks like.

```
.text, #text, p{  
    color:rgb(87, 126, 199)  
}
```

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, 126, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 126, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 42.899, 280.831 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, 126, 199) }
```

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

```
.border{ border-color:rgb(87, 126, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 126, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 126, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 126, 199);  
box-shadow:4px 4px 4px 4px rgb(87, 126,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 42.899, 280.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 126, 199) }
```

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

```
.background{ background-color: rgb(87, 126,  
199) }
```

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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