

Converting Colors

CIELCh(52, 61.839, 293.737)

Have a look what the booklet for
CIELCh(52, 61.839, 293.737)
contains.

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Color

CIELCh(52, 61.828, 293.776)

Conversions

Conversions Part 1

Format	Color
Hex	6473DE
RGB	100, 115, 222
RGB Percent	39%, 45%, 87%
CMY	0.6091, 0.5501, 0.1307
CMYK	0.55, 0.48, 0.00, 0.13
HSL	233°, 65%, 63%
HSV	233°, 55%, 87%
XYZ	24.4587, 20.1443, 71.4799
YIQ	122.7130, -43.2870, 30.0970

Conversions

Conversions Part 2

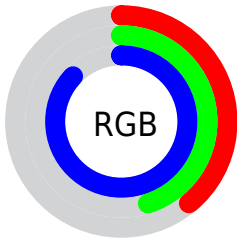
Format	Color
RYB	100, 113, 222
Decimal	6583262
CIELab	52.00, 24.93, -56.58
CIELCh	52, 61.828, 293.776
Yxy	20.1443, 0.2107, 0.1735
Android (android.graphics.Color)	4284773342 (0xFF6473DE)
YUV	122.7130, 48.9485, -19.9193
Hunter-Lab	44.8824, 18.7294, -63.0077

Details

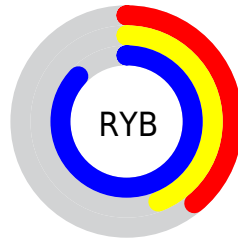
The CIELCh color `52, 61.828, 293.776` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `82, 54.822, 98.599`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 48.035, 291.900`, and `32, 62.072, 293.983` is the 20% darker color. If you saturate the color by 10%, you get `46, 74.424, 296.295`, and if you desaturate by 10%, it is `58, 49.622, 291.520`.

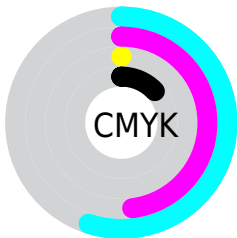
Distribution



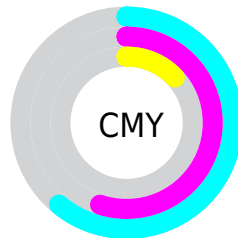
- Red (39%)
- Green (45%)
- Blue (87%)



- Red (39%)
- Yellow (44%)
- Blue (87%)



- Cyan (55%)
- Magenta (48%)
- Yellow (0%)
- Black (13%)





- Cyan (61%)
- Magenta (55%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 61.828, 293.776 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 52, 61.828, 293.776 by changing the saturation by 10% instead.


 52, 61.828,
293.776


 52, 61.828,
293.776


 100, 61.828,
293.776


 42, 61.828,
293.776


 72, 61.828,
293.776

 32, 61.828,
293.776

 82, 61.828,
293.776

 22, 61.828,
293.776

 92, 61.828,
293.776

 12, 61.828,
293.776

 2, 61.828, 293.776

 0, 61.828, 293.776

■ 52, 61.828,
293.776

■ 52, 61.828,
293.776

■ 46, 74.424,
296.295

■ 58, 49.622,
291.520

■ 40, 87.145,
298.968

■ 65, 37.874,
289.554

■ 35, 99.319,
301.587

■ 72, 26.571,
287.867

■ 31, 109.712,
303.851

■ 78, 15.681,
286.429

■ 30, 113.773,
304.712

■ 85, 5.171, 285.218

■ 92, 4.987, 104.118

■ 98, 14.820,
103.233

■ 99, 16.853,
108.903

Harmonies

Complementary

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



52, 61.828, 293.776



82, 54.822, 98.599

Rectangle

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



52, 61.828, 293.776



52, 61.828, 343.776



52, 61.828, 113.776



52, 61.828, 163.776

Sweetspot

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



52, 61.828, 293.777



87, 19.930, 286.711



81, 38.069, 183.565



45, 13.377, 286.993



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 61.828, 293.777



52, 84.821, 296.684



52, 71.212, 307.960



43, 5.813, 285.721



22, 93.723, 304.412



3, 27.079, 292.134

Inverse Universe

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



58, 51.316, 17.291



61, 69.371, 20.680



83, 63.671, 121.523



43, 4.692, 10.009



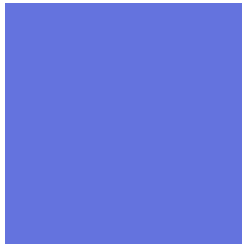
36, 73.012, 34.338



5, 23.722, 14.939

Previews

White Background



This preview shows how the CIE LCh color 52, 61.828, 293.776 looks on a white background.

Color Contrast Check

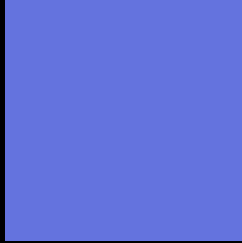
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 61.828, 293.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

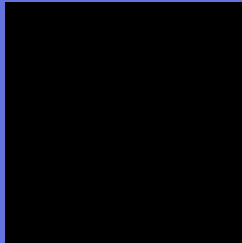
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 61.828, 293.776

Background



This preview shows how black text looks on a background with the CIELCh color 52, 61.828, 293.776.



This preview shows how white text looks on a background with the CIELCh color 52, 61.828, 293.776.

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
52, 61.828, 293.776

Protanopia
52, 62.190, 286.971

Deuteranopia
52, 55.823, 278.627



Tritanopia
52, 20.729, 215.703

Trichromacy



Original Color
52, 61.828, 293.776

Protanomaly
52, 62.041, 289.188

Deuteranomaly
52, 58.047, 283.596

Tritanomaly
51, 29.216, 266.148

Monochromacy



Original Color
52, 61.828, 293.776

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 22.773, 288.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 61.828, 293.776 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(100, 115, 222)` looks like.

```
.text, #text, p{  
    color:rgb(100, 115, 222)  
}
```

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(100, 115, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 115, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 61.828, 293.776 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(100, 115, 222) }
```

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

```
.border{ border-color:rgb(100, 115, 222) }
```

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

Here you see how a box with a 4 pixel rgb(100, 115, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 115, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 115, 222);  
box-shadow:4px 4px 4px 4px rgb(100, 115,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 61.828, 293.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 115, 222) }
```

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

```
.background{ background-color: rgb(100,  
115, 222) }
```

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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