

Converting Colors

CIELCh(51, 69.764, 298.579)

Have a look what the booklet for
CIELCh(51, 69.764, 298.579)
contains.

CIELCh(51, 69.499, 298.508)	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(51, 69.499, 298.508)

Conversions

Conversions Part 1

Format	Color
Hex	6D6BE3
RGB	109, 107, 227
RGB Percent	43%, 42%, 89%
CMY	0.5731, 0.5809, 0.1104
CMYK	0.52, 0.53, 0.00, 0.11
HSL	241°, 68%, 65%
HSV	241°, 53%, 89%
XYZ	25.3775, 19.2686, 74.9488
YIQ	121.2780, -37.3280, 37.7440

Conversions

Conversions Part 2

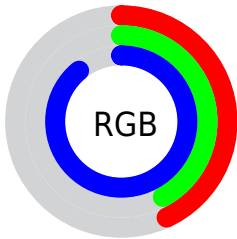
Format	Color
RYB	109, 107, 227
Decimal	7171043
CIELab	51.00, 33.17, -61.07
CIElCh	51, 69.499, 298.508
Yxy	19.2686, 0.2122, 0.1611
Android (android.graphics.Color)	4285361123 (0xFF6D6BE3)
YUV	121.2780, 52.1209, -10.7678
Hunter-Lab	43.8960, 26.3778, -70.5055

Details

The CIELCh color `51, 69.499, 298.508` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `88, 59.780, 105.968`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 53.384, 298.376`, and `31, 69.416, 298.429` is the 20% darker color. If you saturate the color by 10%, you get `44, 84.040, 300.612`, and if you desaturate by 10%, it is `58, 55.218, 296.575`.

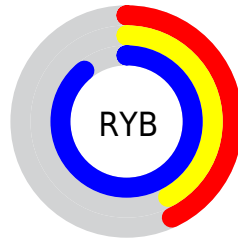
Distribution



Red (43%)

Green (42%)

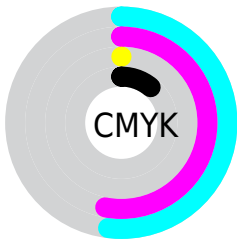
Blue (89%)



Red (43%)

Yellow (42%)

Blue (89%)

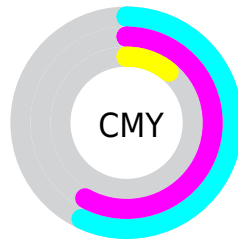


Cyan (52%)

Magenta (53%)

Yellow (0%)

Black (11%)



Cyan (57%)

Magenta (58%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 69.499, 298.508 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, 69.499, 298.508 by changing the saturation by 10% instead.

■ 51, 69.499,
298.508

■ 51, 69.499,
298.508

■ 100, 69.499,
298.508

■ 41, 69.499,
298.508

■ 71, 69.499,
298.508

■ 31, 69.499,
298.508

■ 81, 69.499,
298.508

■ 21, 69.499,
298.508

■ 91, 69.499,
298.508

■ 11, 69.499,
298.508

■ 1, 69.499, 298.508

■ 0, 69.499, 298.508

■ 51, 69.499,
298.508

■ 51, 69.499,
298.508

■ 44, 84.040,
300.612

■ 58, 55.218,
296.575

■ 38, 98.171,
302.729

■ 66, 41.446,
294.873

■ 33, 110.496,
304.579

■ 73, 28.236,
293.409

■ 30, 118.997,
305.823

■ 81, 15.576,
292.164

■ 28, 122.417,
306.325

■ 88, 3.429, 291.121

■ 95, 8.243, 110.197

■ 99, 14.242,
109.101

Harmonies

Complementary

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



51, 69.499, 298.508



88, 59.780, 105.968

Rectangle

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



51, 69.499, 298.508



51, 69.499, 348.508



51, 69.499, 118.508



51, 69.499, 168.508

Sweetspot

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



51, 69.499, 298.509



87, 21.399, 292.542



84, 35.049, 197.074



45, 14.509, 292.797



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 69.499, 298.509



49, 92.630, 300.724



56, 70.066, 311.765



43, 6.756, 291.781



21, 101.219, 306.339



2, 31.657, 296.230

Inverse Universe

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



64, 73.428, 327.660



67, 92.819, 328.086



84, 64.730, 126.644



44, 8.063, 325.383



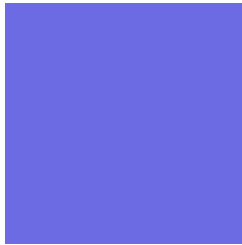
42, 86.372, 328.896



8, 35.534, 328.781

Previews

White Background



This preview shows how the CIELCh color 51, 69.499, 298.508 looks on a white background.

Color Contrast Check

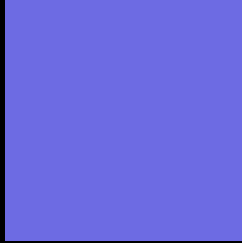
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.499, 298.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

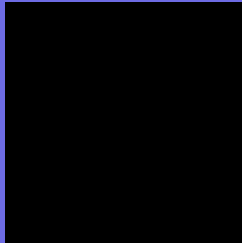
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 69.499, 298.508

Background



This preview shows how black text looks on a background with the CIELCh color 51, 69.499, 298.508.



This preview shows how white text looks on a background with the CIELCh color 51, 69.499, 298.508.

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





Tritanopia
51, 17.385, 217.621

Trichromacy



Original Color
51, 69.499, 298.508

Protanomaly
51, 70.275, 290.840

Deuteranomaly
50, 61.326, 283.635

Tritanomaly
50, 30.229, 275.489

Monochromacy



Original Color
51, 69.499, 298.508

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 25.171, 294.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 69.499, 298.508 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(109, 107, 227)` looks like.

```
.text, #text, p{  
    color:rgb(109, 107, 227)  
}
```

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(109, 107, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 107, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 69.499, 298.508 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(109, 107, 227) }
```

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

```
.border{ border-color:rgb(109, 107, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 107, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 107, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 107, 227);  
box-shadow:4px 4px 4px 4px rgb(109, 107,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 69.499, 298.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 107, 227) }
```

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

```
.background{ background-color: rgb(109,  
107, 227) }
```

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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