

Converting Colors

CIELCh(75, 33.579, 287.353)

Have a look what the booklet for
CIELCh(75, 33.579, 287.353)
contains.

CIELCh(75, 33.579, 287.353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 33.579, 287.353)

Conversions

Conversions Part 1

Format	Color
Hex	AAB5F3
RGB	170, 181, 243
RGB Percent	67%, 71%, 95%
CMY	0.3319, 0.2888, 0.0455
CMYK	0.30, 0.25, 0.00, 0.05
HSL	231°, 76%, 81%
HSV	231°, 30%, 95%
XYZ	49.4923, 48.2781, 91.8103
YIQ	184.7790, -26.4580, 16.9500

Conversions

Conversions Part 2

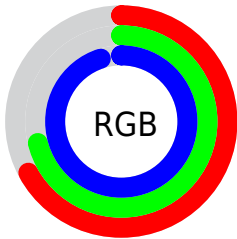
Format	Color
R_{YB}	170, 180, 243
Decimal	11187699
CIE _{Lab}	75.00, 10.02, -32.05
CIE _{LCh}	75, 33.579, 287.353
Yxy	48.2781, 0.2611, 0.2547
Android (android.graphics.Color)	4289377779 (0xFFAAB5F3)
YUV	184.7790, 28.7030, -12.9612
Hunter-Lab	69.4824, 5.5512, -29.7049

Details

The CIELCh color `75, 33.579, 287.353` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92, 32.036, 99.845`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 9.813, 270.688`, and `55, 33.994, 287.757` is the 20% darker color. If you saturate the color by 10%, you get `68, 45.584, 289.224`, and if you desaturate by 10%, it is `82, 22.003, 285.755`.

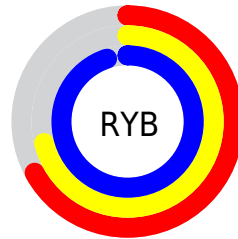
Distribution



Red (67%)

Green (71%)

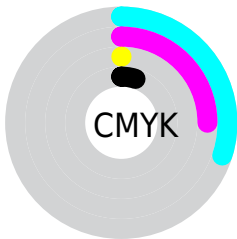
Blue (95%)



Red (67%)

Yellow (71%)

Blue (95%)

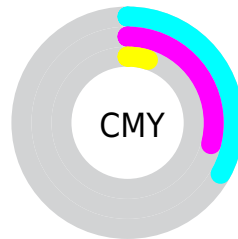


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (29%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 33.579, 287.353 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 75, 33.579, 287.353 by changing the saturation by 10% instead.


 75, 33.579,
287.353


 75, 33.579,
287.353


 100, 33.579,
287.353


 65, 33.579,
287.353


 95, 33.579,
287.353

 55, 33.579,
287.353

 45, 33.579,
287.353

 35, 33.579,
287.353

 25, 33.579,
287.353

 15, 33.579,
287.353

 5, 33.579, 287.353

■ 0, 33.579, 287.353

■ 75, 33.579,
287.353

■ 75, 33.579,
287.353

■ 68, 45.584,
289.224

■ 82, 22.003,
285.755

■ 61, 58.054,
291.394

■ 89, 10.824,
284.397

■ 54, 70.986,
293.864

■ 96, 0.009, 299.768

■ 48, 84.268,
296.577

■ 100, 5.877,
109.725

■ 42, 97.524,
299.388

■ 37, 109.892,
302.051

■ 34, 120.010,
304.222

■ 34, 120.012,
304.222

Harmonies

Complementary

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



75, 33.579, 287.353



92, 32.036, 99.845

Rectangle

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



75, 33.579, 287.353



75, 33.579, 337.353



75, 33.579, 107.353



75, 33.579, 157.353

Sweetspot

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



75, 33.578, 287.352



93, 10.104, 284.277



91, 25.078, 183.137



49, 7.036, 284.458



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 33.578, 287.352



74, 42.305, 288.458



74, 40.516, 304.980



47, 6.177, 284.334



25, 96.987, 303.879



5, 35.739, 297.059

Inverse Universe

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



77, 28.767, 10.384



76, 36.369, 11.337



93, 38.233, 121.378



48, 5.171, 7.884



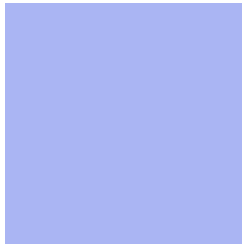
39, 75.827, 32.941



8, 30.199, 18.862

Previews

White Background



This preview shows how the CIELCh color 75, 33.579, 287.353 looks on a white background.

Color Contrast Check

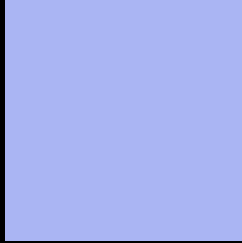
Large Text (above 18pt) WCAG AA × Fail

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 75, 33.579, 287.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

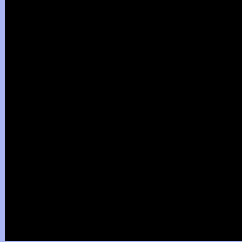
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 33.579, 287.353

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.579, 287.353.



This preview shows how white text looks on a background with the CIELCh color 75, 33.579, 287.353.

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

75, 33.579, 287.353

Protanopia

75, 33.662, 285.265

Deuteranopia

75, 33.579, 287.353



Tritanopia
75, 12.129, 240.955

Trichromacy



Original Color
75, 33.579, 287.353

Protanomaly
75, 33.629, 285.777

Deuteranomaly
75, 33.579, 287.353

Tritanomaly
75, 18.432, 269.450

Monochromacy



Original Color
75, 33.579, 287.353

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 11.936, 284.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.579, 287.353 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(170, 181, 243)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 243)  
}
```

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(170, 181, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.579, 287.353 is called "border". The border property can be set on classes, ids or directly on the HTML element.

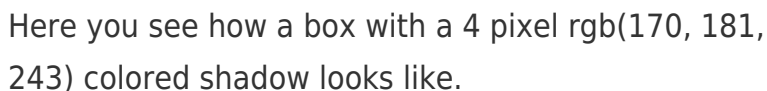
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 181, 243) }
```

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

```
.border{ border-color:rgb(170, 181, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 181, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 181, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 181, 243); box-shadow:4px 4px 4px 4px rgb(170, 181, 243) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.579, 287.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 243) }
```

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

```
.background{ background-color: rgb(170,  
181, 243) }
```

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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