

Converting Colors

CIELCh(53, 85.250, 300.375)

Have a look what the booklet for
CIELCh(53, 85.250, 300.375)
contains.

CIELCh(53, 85.250, 300.375)	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(53, 85.250, 300.375)

Conversions

Conversions Part 1

Format	Color
Hex	716AFF
RGB	113, 106, 255
RGB Percent	44%, 42%, 100%
CMY	0.5567, 0.5842, 0.0000
CMYK	0.56, 0.58, 0.00, 0.00
HSL	243°, 100%, 71%
HSV	243°, 58%, 100%
XYZ	30.0234, 21.0462, 97.1079
YIQ	125.0790, -43.6570, 47.8230

Conversions

Conversions Part 2

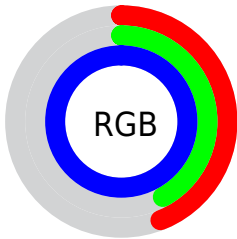
Format	Color
R _Y B	113, 106, 255
Decimal	7432959
CIE Lab	53.00, 43.11, -73.55
CIE LCh	53, 85.250, 300.375
Yxy	21.0462, 0.2026, 0.1420
Android (android.graphics.Color)	4285623039 (0xFF716AFF)
YUV	125.0790, 64.0511, -10.5933
Hunter-Lab	45.8761, 36.5354, -93.3883

Details

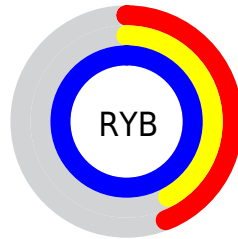
The CIELCh color **53, 85.250, 300.375** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 71.686, 106.994**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 53.509, 300.608**, and **33, 85.256, 300.369** is the 20% darker color. If you saturate the color by 10%, you get **46, 101.000, 302.363**, and if you desaturate by 10%, it is **61, 69.371, 298.464**.

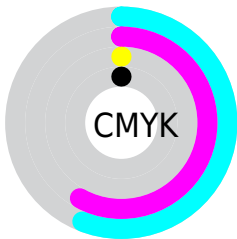
Distribution



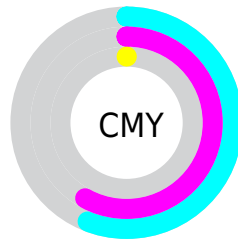
- Red (44%)
- Green (42%)
- Blue (100%)



- Red (44%)
- Yellow (42%)
- Blue (100%)



- Cyan (56%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 85.250, 300.375 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, 85.250, 300.375 by changing the saturation by 10% instead.


 53, 85.250,
300.375


 53, 85.250,
300.375


 100, 85.250,
300.375


 43, 85.250,
300.375


 73, 85.250,
300.375

 33, 85.250,
300.375

 83, 85.250,
300.375

 23, 85.250,
300.375

 93, 85.250,
300.375

 13, 85.250,
300.375

 3, 85.250, 300.375

 0, 85.250, 300.375

53, 85.250,
300.375

53, 85.250,
300.375

46, 101.000,
302.363

61, 69.371,
298.464

40, 115.500,
304.209

69, 53.915,
296.738

35, 126.758,
305.600

77, 39.042,
295.230

33, 132.918,
306.292

85, 24.780,
293.935

32, 133.610,
306.381

93, 11.105,
292.835

100, 0.012,
296.813

Harmonies

Complementary

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



53, 85.250, 300.375



97, 71.686, 106.994

Rectangle

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



53, 85.250, 300.375



53, 85.250, 350.375



53, 85.250, 120.375



53, 85.250, 170.375

Sweetspot

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



53, 85.237, 300.375



85, 24.190, 293.885



91, 39.592, 200.764



43, 16.911, 294.238



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, 85.237, 300.375



45, 103.412, 302.670



60, 85.107, 313.028



49, 7.511, 292.945



23, 107.546, 306.420



3, 44.241, 302.706

Inverse Universe

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



68, 85.819, 328.876



64, 97.784, 329.358



92, 78.514, 127.614



50, 8.771, 326.241



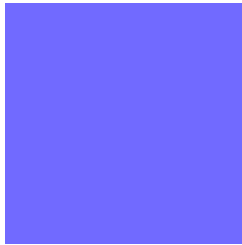
45, 89.702, 330.202



12, 41.452, 329.954

Previews

White Background



This preview shows how the CIELCh color 53, 85.250, 300.375 looks on a white background.

Color Contrast Check

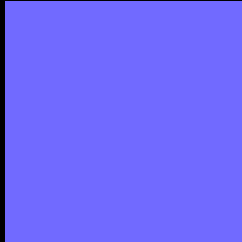
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 85.250, 300.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

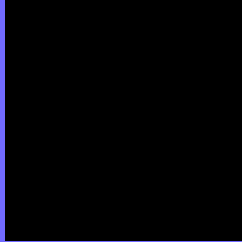
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 85.250, 300.375

Background



This preview shows how black text looks on a background with the CIELCh color 53, 85.250, 300.375.

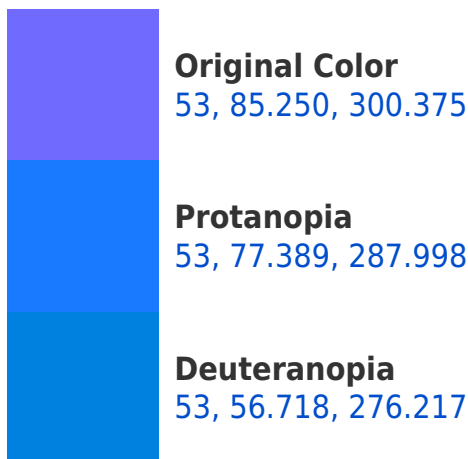



This preview shows how white text looks on a background with the CIELCh color 53, 85.250, 300.375.

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
53, 20.746, 215.650

Trichromacy



Original Color
53, 85.250, 300.375

Protanomaly
52, 80.054, 291.468

Deuteranomaly
52, 66.489, 285.107

Tritanomaly
52, 36.890, 278.249

Monochromacy



Original Color
53, 85.250, 300.375

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 31.468, 295.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 85.250, 300.375 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(113, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 106, 255)  
}
```

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(113, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 106, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 85.250, 300.375 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(113, 106, 255) }
```

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

```
.border{ border-color:rgb(113, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 106,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 85.250, 300.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 106, 255) }
```

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

```
.background{ background-color: rgb(113,  
106, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor