

Converting Colors

CIELCh(53, 32.795, 301.111)

Have a look what the booklet for
CIELCh(53, 32.795, 301.111)
contains.

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Color

CIELCh(53, 32.797, 301.120)

Conversions

Conversions Part 1

Format	Color
Hex	8377AF
RGB	131, 119, 175
RGB Percent	51%, 47%, 69%
CMY	0.4870, 0.5341, 0.3145
CMYK	0.25, 0.32, 0.00, 0.31
HSL	253°, 26%, 58%
HSV	253°, 32%, 69%
XYZ	23.6226, 21.0462, 43.2713
YIQ	128.9720, -10.8240, 19.9600

Conversions

Conversions Part 2

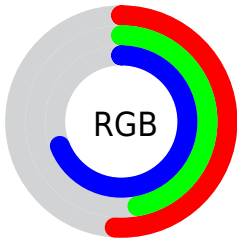
Format	Color
R_{YB}	131, 119, 175
Decimal	8615855
CIE _{Lab}	53.00, 16.95, -28.08
CIE _{LCh}	53, 32.797, 301.120
Yxy	21.0462, 0.2686, 0.2393
Android (android.graphics.Color)	4286805935 (0xFF8377AF)
YUV	128.9720, 22.6918, 1.7786
Hunter-Lab	45.8761, 11.6304, -23.8102

Details

The CIELCh color **53, 32.797, 301.120** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **69, 30.567, 116.428**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 33.071, 301.245**, and **33, 32.339, 300.829** is the 20% darker color. If you saturate the color by 10%, you get **47, 43.811, 302.162**, and if you desaturate by 10%, it is **59, 22.140, 300.192**.

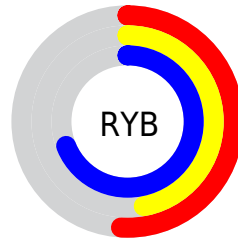
Distribution



Red (51%)

Green (47%)

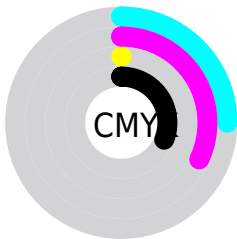
Blue (69%)



Red (51%)

Yellow (47%)

Blue (69%)

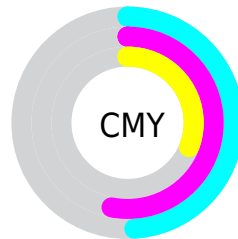


Cyan (25%)

Magenta (32%)

Yellow (0%)

Black (31%)



Cyan (49%)


Magenta (53%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 32.797, 301.120 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, 32.797, 301.120 by changing the saturation by 10% instead.


 53, 32.797,
301.120


 53, 32.797,
301.120


 100, 32.797,
301.120


 43, 32.797,
301.120


 73, 32.797,
301.120

 33, 32.797,
301.120

 83, 32.797,
301.120

 23, 32.797,
301.120

 93, 32.797,
301.120

 13, 32.797,
301.120

 3, 32.797, 301.120

 0, 32.797, 301.120

■ 53, 32.797,
301.120

■ 53, 32.797,
301.120

■ 47, 43.811,
302.162

■ 59, 22.140,
300.192

■ 42, 55.104,
303.304

■ 65, 11.867,
299.377

■ 36, 66.467,
304.500

■ 70, 1.971, 298.663

■ 31, 77.464,
305.660

■ 76, 7.564, 118.061

■ 27, 87.295,
306.627

■ 82, 16.758,
117.532


■ 24, 94.801,
307.191

■ 87, 25.633,
117.078

■ 22, 99.075,
307.411

■ 93, 34.208,
116.687

■ 97, 40.613,
114.900

 98, 40.196,
107.426

Harmonies

Complementary

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



53, 32.797, 301.120



69, 30.567, 116.428

Rectangle

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



53, 32.797, 301.120



53, 32.797, 351.120



53, 32.797, 121.120



53, 32.797, 171.120

Sweetspot

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



53, 32.796, 301.120



83, 12.159, 299.238



64, 16.226, 220.990



43, 8.383, 299.341



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



53, 32.796, 301.120



63, 48.696, 301.799



56, 35.048, 317.087



34, 5.522, 299.174



18, 88.603, 307.499



1, 11.447, 297.015

Inverse Universe

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



57, 32.491, 333.098



69, 47.452, 333.563



67, 34.231, 134.212



34, 5.678, 331.576



34, 66.229, 338.822



2, 11.291, 333.880

Previews

White Background



This preview shows how the CIELCh color 53, 32.797, 301.120 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, 32.797, 301.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

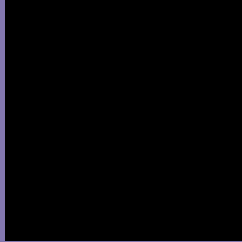
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 32.797, 301.120

Background



This preview shows how black text looks on a background with the CIELCh color 53, 32.797, 301.120.



This preview shows how white text looks on a background with the CIELCh color 53, 32.797, 301.120.

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, 32.797, 301.120

Protanopia

53, 31.436, 284.637

Deuteranopia

53, 28.504, 285.044



Tritanopia
53, 5.828, 283.337

Trichromacy



Original Color
53, 32.797, 301.120

Protanomaly
53, 31.256, 290.343

Deuteranomaly
53, 29.516, 291.156

Tritanomaly
53, 15.728, 296.119

Monochromacy



Original Color
53, 32.797, 301.120

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 12.329, 300.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 32.797, 301.120 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(131, 119, 175)` looks like.

```
.text, #text, p{  
    color:rgb(131, 119, 175)  
}
```

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(131, 119, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 119, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 32.797, 301.120 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(131, 119, 175) }
```

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

```
.border{ border-color:rgb(131, 119, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 119, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 119, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 119, 175);  
box-shadow:4px 4px 4px 4px rgb(131, 119,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 32.797, 301.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 119, 175) }
```

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

```
.background{ background-color: rgb(131,  
119, 175) }
```

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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