

Converting Colors

CIELCh(53, 33.060, 297.842)

Have a look what the booklet for
CIELCh(53, 33.060, 297.842)
contains.

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Color

CIELCh(53, 33.145, 297.556)

Conversions

Conversions Part 1

Format	Color
Hex	7E78B1
RGB	126, 120, 177
RGB Percent	49%, 47%, 69%
CMY	0.5058, 0.5294, 0.3058
CMYK	0.29, 0.32, 0.00, 0.31
HSL	246°, 27%, 58%
HSV	246°, 32%, 69%
XYZ	23.2599, 21.0462, 44.4362
YIQ	128.2920, -14.7210, 18.9990

Conversions

Conversions Part 2

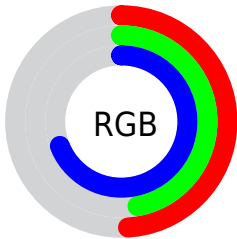
Format	Color
R _Y B	126, 120, 177
Decimal	8288433
CIE Lab	53.00, 15.33, -29.39
CIE LCh	53, 33.145, 297.556
Yxy	21.0462, 0.2621, 0.2372
Android (android.graphics.Color)	4286478513 (0xFF7E78B1)
YUV	128.2920, 24.0130, -2.0101
Hunter-Lab	45.8761, 10.2192, -25.3158

Details

The CIELCh color **53, 33.145, 297.556** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **70, 30.705, 111.745**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 33.356, 297.764**, and **33, 32.795, 297.267** is the 20% darker color. If you saturate the color by 10%, you get **47, 44.314, 298.906**, and if you desaturate by 10%, it is **59, 22.395, 296.378**.

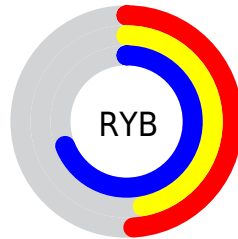
Distribution



Red (49%)

Green (47%)

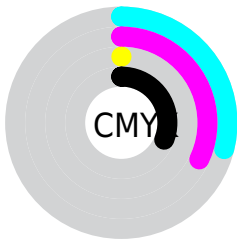
Blue (69%)



Red (49%)

Yellow (47%)

Blue (69%)

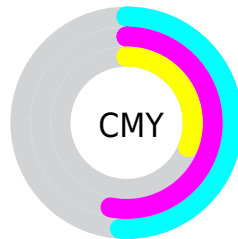


Cyan (29%)

Magenta (32%)

Yellow (0%)

Black (31%)



Cyan (51%)


Magenta (53%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 33.145, 297.556 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, 33.145, 297.556 by changing the saturation by 10% instead.


 53, 33.145,
297.556


 53, 33.145,
297.556


 100, 33.145,
297.556


 43, 33.145,
297.556


 73, 33.145,
297.556

 33, 33.145,
297.556

 83, 33.145,
297.556

 23, 33.145,
297.556

 93, 33.145,
297.556

 13, 33.145,
297.556

 3, 33.145, 297.556

 0, 33.145, 297.556

■ 53, 33.145,
297.556

■ 53, 33.145,
297.556

■ 47, 44.314,
298.906

■ 59, 22.395,
296.378

■ 41, 55.849,
300.419

■ 65, 12.067,
295.363

■ 36, 67.567,
302.052

■ 71, 2.142, 294.499

■ 77, 7.407, 113.738

■ 30, 79.018,
303.695

■ 83, 16.605,
113.100

■ 26, 89.299,
305.148


■ 88, 25.476,
112.551

■ 23, 97.026,
306.146

■ 94, 34.042,
112.079

■ 21, 101.155,
306.654

■ 98, 39.126,
108.490

 98, 39.113,
107.194

Harmonies

Complementary

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



53, 33.145, 297.556



70, 30.705, 111.745

Rectangle

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



53, 33.145, 297.556



53, 33.145, 347.556



53, 33.145, 117.556



53, 33.145, 167.556

Sweetspot

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



53, 33.144, 297.556



84, 12.169, 295.175



67, 17.575, 208.431



43, 8.315, 295.301



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, 33.144, 297.556



62, 50.328, 298.547



56, 34.936, 313.892



35, 5.609, 295.099



18, 90.777, 306.704



1, 13.348, 293.374

Inverse Universe

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



58, 35.562, 329.292



70, 52.868, 329.728



68, 33.766, 131.025



35, 6.280, 327.940



35, 72.758, 332.847



2, 14.599, 329.014

Previews

White Background



This preview shows how the CIELCh color 53, 33.145, 297.556 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, 33.145, 297.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

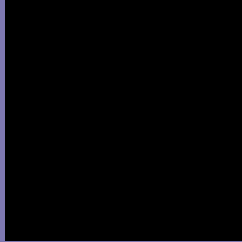
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 33.145, 297.556

Background



This preview shows how black text looks on a background with the CIELCh color 53, 33.145, 297.556.



This preview shows how white text looks on a background with the CIELCh color 53, 33.145, 297.556.

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

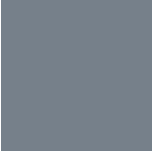
53, 33.145, 297.556

Protanopia

53, 32.561, 285.156

Deuteranopia

53, 29.709, 284.382



Tritanopia
53, 6.826, 257.356

Trichromacy



Original Color
53, 33.145, 297.556

Protanomaly
53, 32.999, 289.674

Deuteranomaly
53, 30.699, 289.606

Tritanomaly
53, 15.670, 286.812

Monochromacy



Original Color
53, 33.145, 297.556

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 12.197, 295.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 33.145, 297.556 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(126, 120, 177)` looks like.

```
.text, #text, p{  
    color:rgb(126, 120, 177)  
}
```

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(126, 120, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 120, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 33.145, 297.556 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(126, 120, 177) }
```

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

```
.border{ border-color:rgb(126, 120, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 120, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 120, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 120, 177); box-shadow:4px 4px 4px 4px rgb(126, 120, 177) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 33.145, 297.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 120, 177) }
```

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

```
.background{ background-color: rgb(126,  
120, 177) }
```

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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