

Converting Colors

CIELCh(54, 34.101, 303.236)

Have a look what the booklet for
CIELCh(54, 34.101, 303.236)
contains.

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Color

CIELCh(54, 34.056, 303.221)

Conversions

Conversions Part 1

Format	Color
Hex	8878B2
RGB	136, 120, 178
RGB Percent	53%, 47%, 70%
CMY	0.4656, 0.5284, 0.3009
CMYK	0.24, 0.33, 0.00, 0.30
HSL	257°, 27%, 59%
HSV	257°, 33%, 70%
XYZ	25.0054, 21.9746, 45.1855
YIQ	131.3960, -9.0820, 21.4300

Conversions

Conversions Part 2

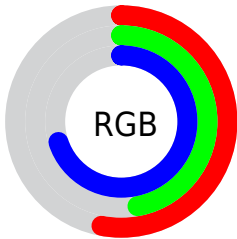
Format	Color
R_{YB}	136, 120, 178
Decimal	8943794
CIE _{Lab}	54.00, 18.66, -28.49
CIE _{LCh}	54, 34.056, 303.221
Yxy	21.9746, 0.2713, 0.2384
Android (android.graphics.Color)	4287133874 (0xFF8878B2)
YUV	131.3960, 22.9758, 4.0377
Hunter-Lab	46.8770, 13.1818, -24.3366

Details

The CIELCh color `54, 34.056, 303.221` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `70, 31.841, 118.956`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `74, 34.302, 303.245`, and `34, 34.309, 303.546` is the 20% darker color. If you saturate the color by 10%, you get `48, 45.249, 304.125`, and if you desaturate by 10%, it is `60, 23.183, 302.403`.

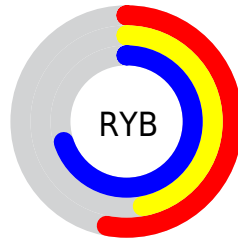
Distribution



Red (53%)

Green (47%)

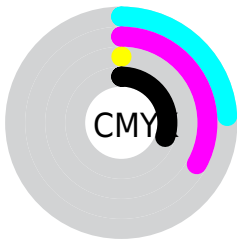
Blue (70%)



Red (53%)

Yellow (47%)

Blue (70%)

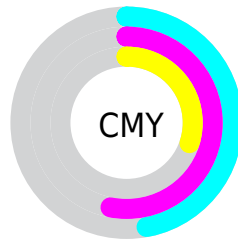


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (30%)



Cyan (47%)


Magenta (53%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 34.056, 303.221 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 54, 34.056, 303.221 by changing the saturation by 10% instead.


 54, 34.056,
303.221


 54, 34.056,
303.221


 100, 34.056,
303.221

 44, 34.056,
303.221


 74, 34.056,
303.221

 34, 34.056,
303.221

 84, 34.056,
303.221

 24, 34.056,
303.221

 94, 34.056,
303.221

 14, 34.056,
303.221

 4, 34.056, 303.221

 0, 34.056, 303.221

■ 54, 34.056,
303.221

■ 54, 34.056,
303.221

■ 48, 45.249,
304.125

■ 60, 23.183,
302.403

■ 43, 56.656,
305.096

■ 65, 12.673,
301.676

■ 37, 68.037,
306.086

■ 71, 2.532, 301.029

■ 77, 7.251, 120.494

■ 33, 78.923,
307.004

■ 83, 16.691,
120.011

■ 28, 88.517,
307.709

■ 88, 25.809,
119.596

■ 25, 95.732,
308.013

■ 94, 34.622,
119.239

■ 23, 99.635,
308.050

■ 97, 39.001,
115.982

■ 98, 38.511,
108.717

Harmonies

Complementary

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



54, 34.056, 303.221



70, 31.841, 118.956

Rectangle

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



54, 34.056, 303.221



54, 34.056, 353.221



54, 34.056, 123.221



54, 34.056, 173.221

Sweetspot

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



54, 34.055, 303.221



85, 12.465, 301.517



64, 16.446, 230.184



44, 8.594, 301.610



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



54, 34.055, 303.221



64, 51.163, 303.857



57, 36.703, 319.201



35, 5.695, 301.461



19, 88.890, 308.154



1, 13.485, 298.496

Inverse Universe

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



58, 32.150, 335.605



70, 47.507, 336.168



68, 36.067, 136.150



35, 5.566, 333.912



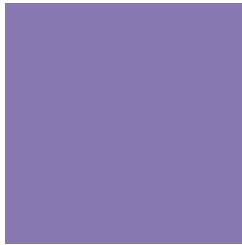
34, 64.213, 342.867



2, 12.453, 337.497

Previews

White Background



This preview shows how the CIELCh color 54, 34.056, 303.221 looks on a white background.

Color Contrast Check

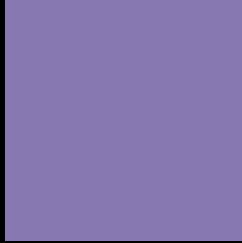
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 34.056, 303.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

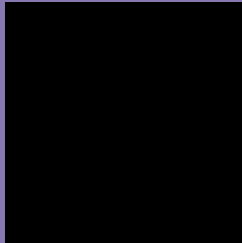
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 34.056, 303.221

Background



This preview shows how black text looks on a background with the CIELCh color 54, 34.056, 303.221.



This preview shows how white text looks on a background with the CIELCh color 54, 34.056, 303.221.

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


54, 34.056, 303.221

Protanopia

54, 33.036, 285.322

Deuteranopia

54, 28.991, 285.236



Tritanopia
54, 5.792, 294.702

Trichromacy



Original Color
54, 34.056, 303.221

Protanomaly
54, 32.867, 291.242

Deuteranomaly
54, 29.999, 291.843

Tritanomaly
54, 16.436, 301.141

Monochromacy



Original Color
54, 34.056, 303.221

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 12.344, 302.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 34.056, 303.221 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(136, 120, 178)` looks like.

```
.text, #text, p{  
    color:rgb(136, 120, 178)  
}
```

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(136, 120, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 120, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 34.056, 303.221 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(136, 120, 178) }
```

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

```
.border{ border-color:rgb(136, 120, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 120, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 120, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 120, 178);  
box-shadow:4px 4px 4px 4px rgb(136, 120,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 34.056, 303.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 120, 178) }
```

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

```
.background{ background-color: rgb(136,  
120, 178) }
```

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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