

Converting Colors

CIELCh(34, 52.604, 305.305)

Have a look what the booklet for
CIELCh(34, 52.604, 305.305)
contains.

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Color

CIELCh(34, 52.687, 305.339)

Conversions

Conversions Part 1

Format	Color
Hex	584195
RGB	88, 65, 149
RGB Percent	35%, 25%, 58%
CMY	0.6553, 0.7454, 0.4161
CMYK	0.41, 0.56, 0.00, 0.42
HSL	256°, 39%, 42%
HSV	256°, 56%, 58%
XYZ	11.3186, 8.0082, 29.3438
YIQ	81.4530, -13.2560, 31.0000

Conversions

Conversions Part 2

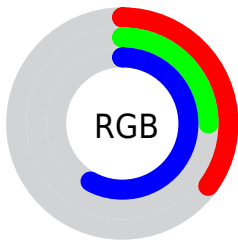
Format	Color
R_{YB}	88, 65, 149
Decimal	5783957
CIE _{Lab}	34.00, 30.47, -42.98
CIE _{LCh}	34, 52.687, 305.339
Yxy	8.0082, 0.2326, 0.1645
Android (android.graphics.Color)	4283974037 (0xFF584195)
YUV	81.4530, 33.3007, 5.7417
Hunter-Lab	28.2988, 21.8711, -41.6703

Details

The CIELCh color $34, 52.687, 305.339$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $58, 46.295, 117.658$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 52.585, 305.049$, and $14, 52.753, 305.375$ is the 20% darker color. If you saturate the color by 10%, you get $29, 62.446, 306.313$, and if you desaturate by 10%, it is $39, 42.811, 304.364$.

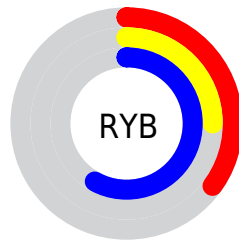
Distribution



Red (35%)

Green (25%)

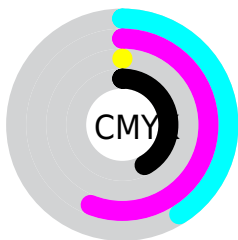
Blue (58%)



Red (35%)

Yellow (25%)

Blue (58%)

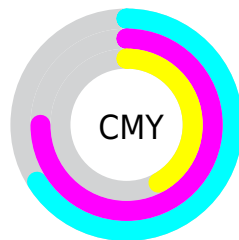


Cyan (41%)

Magenta (56%)

Yellow (0%)

Black (42%)



Cyan (66%)


Magenta (75%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 52.687, 305.339 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 34, 52.687, 305.339 by changing the saturation by 10% instead.


 34, 52.687,
305.339


 34, 52.687,
305.339

 100, 52.687,
305.339


 24, 52.687,
305.339

 54, 52.687,
305.339


 14, 52.687,
305.339


 64, 52.687,
305.339

 4, 52.687, 305.339

 74, 52.687,
305.339

 0, 52.687, 305.339

 84, 52.687,
305.339

 94, 52.687,
305.339

■ 34, 52.687,
305.339

■ 34, 52.687,
305.339

■ 29, 62.446,
306.313

■ 39, 42.811,
304.364

■ 25, 71.621,
307.184

■ 44, 33.070,
303.442

■ 22, 79.457,
307.798

■ 49, 23.582,
302.601

■ 19, 85.196,
308.029

■ 54, 14.396,
301.850

■ 19, 87.150,
308.147

■ 58, 5.525, 301.185

■ 63, 3.037, 120.622

■ 68, 11.301,
120.112

■ 73, 19.283,
119.675

■ 78,27.000,
119.298

Harmonies

Complementary

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



34, 52.687, 305.339



58, 46.295, 117.658

Rectangle

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



34, 52.687, 305.339



34, 52.687, 355.339



34, 52.687, 125.339



34, 52.687, 175.339

Sweetspot

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



34, 52.686, 305.340



68, 18.526, 301.917



50, 22.413, 234.012



34, 12.394, 302.045



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



34, 52.686, 305.340



38, 79.299, 306.589



39, 54.176, 320.041



29, 4.869, 301.363



17, 82.253, 308.209



0, 4.196, 300.809

Inverse Universe

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



41, 46.580, 337.434



49, 66.365, 338.684



56, 52.801, 134.724



29, 4.768, 333.807



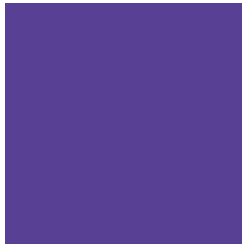
30, 59.651, 342.541



1, 4.141, 333.243

Previews

White Background



This preview shows how the CIELCh color 34, 52.687, 305.339 looks on a white 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

Black Background



This preview shows how the CIE LCh color 34, 52.687, 305.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

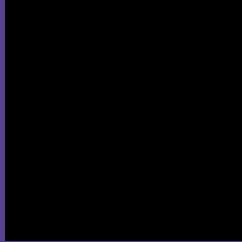
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 52.687, 305.339

Background



This preview shows how black text looks on a background with the CIELCh color 34, 52.687, 305.339.



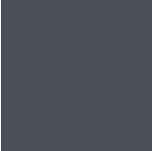
This preview shows how white text looks on a background with the CIELCh color 34, 52.687, 305.339.

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
34, 5.393, 253.847

Trichromacy



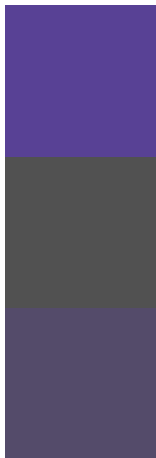
Original Color
34, 52.687, 305.339

Protanomaly
33, 52.578, 291.087

Deuteranomaly
33, 44.376, 284.483

Tritanomaly
34, 22.096, 296.691

Monochromacy



Original Color
34, 52.687, 305.339

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 19.861, 303.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 52.687, 305.339 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(88, 65, 149)` looks like.

```
.text, #text, p{  
    color:rgb(88, 65, 149)  
}
```

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(88, 65, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 65, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 52.687, 305.339 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(88, 65, 149) }
```

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

```
.border{ border-color:rgb(88, 65, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 65, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 65, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 65, 149);  
box-shadow:4px 4px 4px 4px rgb(88, 65,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 52.687, 305.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 65, 149) }
```

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

```
.background{ background-color: rgb(88, 65,  
149) }
```

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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