

Converting Colors

CIELCh(34, 80.129, 306.880)

Have a look what the booklet for
CIELCh(34, 80.129, 306.880)
contains.

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Color

CIELCh(34, 80.129, 306.880)

Conversions

Conversions Part 1

Format	Color
Hex	5834B8
RGB	88, 52, 184
RGB Percent	35%, 20%, 72%
CMY	0.6545, 0.7957, 0.2780
CMYK	0.52, 0.72, 0.00, 0.28
HSL	256°, 56%, 46%
HSV	256°, 72%, 72%
XYZ	13.9282, 8.0082, 46.2127
YIQ	77.8120, -20.9160, 48.6840

Conversions

Conversions Part 2

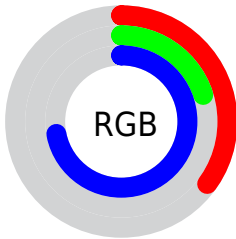
Format	Color
R_{YB}	88, 52, 184
Decimal	5780664
CIE _{Lab}	34.00, 48.09, -64.09
CIE _{LCh}	34, 80.129, 306.880
Yxy	8.0082, 0.2044, 0.1175
Android (android.graphics.Color)	4283970744 (0xFF5834B8)
YUV	77.8120, 52.3507, 8.9349
Hunter-Lab	28.2988, 38.3316, -77.0129

Details

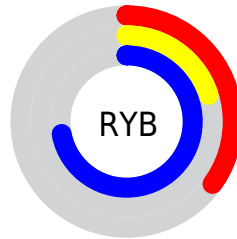
The CIELCh color **34, 80.129, 306.880** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **70, 66.919, 117.210**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 79.955, 306.802**, and **14, 80.354, 306.926** is the 20% darker color. If you saturate the color by 10%, you get **30, 90.113, 307.618**, and if you desaturate by 10%, it is **39, 68.885, 305.940**.

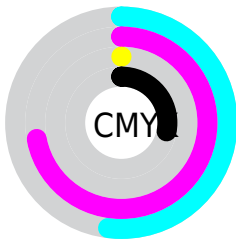
Distribution



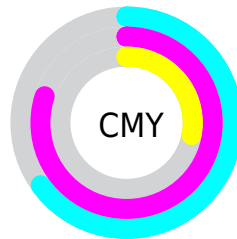
- Red (35%)
- Green (20%)
- Blue (72%)



- Red (35%)
- Yellow (20%)
- Blue (72%)



- Cyan (52%)
- Magenta (72%)
- Yellow (0%)
- Black (28%)





- Cyan (65%)
- Magenta (80%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 80.129, 306.880 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, 80.129, 306.880 by changing the saturation by 10% instead.


 34, 80.129,
306.880


 34, 80.129,
306.880

 100, 80.129,
306.880


 24, 80.129,
306.880

 54, 80.129,
306.880

 14, 80.129,
306.880


 64, 80.129,
306.880

 4, 80.129, 306.880

 74, 80.129,
306.880

 0, 80.129, 306.880

 84, 80.129,
306.880

 94, 80.129,
306.880

■ 34, 80.129,
306.880

■ 34, 80.129,
306.880

■ 30, 90.113,
307.618

■ 39, 68.885,
305.940

■ 26, 97.722,
307.965

■ 45, 57.180,
304.938

■ 24, 102.121,
307.993

■ 50, 45.476,
303.960

■ 56, 34.006,
303.053

■ 62, 22.875,
302.235

■ 68, 12.120,
301.509

■ 74, 1.744, 300.857

■ 80, 8.264, 120.331

■ 85, 17.920,
119.851

Harmonies

Complementary

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



34, 80.129, 306.880



70, 66.919, 117.210

Rectangle

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



34, 80.129, 306.880



34, 80.129, 356.880



34, 80.129, 126.880



34, 80.129, 176.880

Sweetspot

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



34, 80.129, 306.881



79, 28.762, 302.286



58, 31.089, 238.272



40, 19.406, 302.498



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



34, 80.129, 306.881



37, 115.591, 307.877



42, 78.547, 320.315



36, 5.828, 301.350



20, 90.033, 308.105



1, 15.559, 298.143

Inverse Universe

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



45, 65.982, 339.014



55, 87.991, 340.973



67, 76.587, 133.917



36, 5.709, 333.794



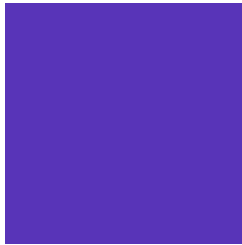
34, 65.113, 342.682



3, 14.395, 337.817

Previews

White Background



This preview shows how the CIELCh color 34, 80.129, 306.880 looks on a white background.

Color Contrast Check

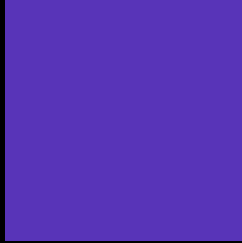
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 34, 80.129, 306.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

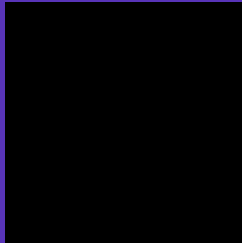
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 80.129, 306.880

Background



This preview shows how black text looks on a background with the CIELCh color 34, 80.129, 306.880.



This preview shows how white text looks on a background with the CIELCh color 34, 80.129, 306.880.

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

34, 80.129, 306.880

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 38.108, 273.052



Tritanopia
34, 10.322, 223.597

Trichromacy



Original Color
34, 80.129, 306.880

Protanomaly
33, 64.323, 294.238

Deuteranomaly
32, 53.528, 290.195

Tritanomaly
33, 33.410, 294.596

Monochromacy



Original Color
34, 80.129, 306.880

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 30.764, 303.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 80.129, 306.880 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, 52, 184)` looks like.

```
.text, #text, p{  
    color:rgb(88, 52, 184)  
}
```

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, 52, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 52, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 80.129, 306.880 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, 52, 184) }
```

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

```
.border{ border-color:rgb(88, 52, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 52, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 52, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 52, 184);  
box-shadow:4px 4px 4px 4px rgb(88, 52,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 80.129, 306.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 52, 184) }
```

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

```
.background{ background-color: rgb(88, 52,  
184) }
```

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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