

Converting Colors

CIELCh(34, 89.851, 312.560)

Have a look what the booklet for
CIELCh(34, 89.851, 312.560)
contains.

CIELCh(34, 89.778, 312.478)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 89.778, 312.478)

Conversions

Conversions Part 1

Format	Color
Hex	6E21BC
RGB	110, 33, 188
RGB Percent	43%, 13%, 74%
CMY	0.5692, 0.8712, 0.2633
CMYK	0.42, 0.83, 0.00, 0.26
HSL	270°, 70%, 43%
HSV	270°, 83%, 74%
XYZ	16.0118, 8.0082, 48.1957
YIQ	73.6930, -3.8630, 64.5290

Conversions

Conversions Part 2

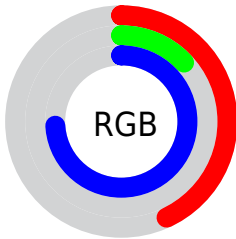
Format	Color
R _Y B	110, 33, 188
Decimal	7217596
CIE _{Lab}	34.00, 60.63, -66.21
CIE _{LCh}	34, 89.778, 312.478
Y _{xy}	8.0082, 0.2217, 0.1109
Android (android.graphics.Color)	4285407676 (0xFF6E21BC)
YUV	73.6930, 56.3534, 31.8412
Hunter-Lab	28.2988, 51.4744, -81.1677

Details

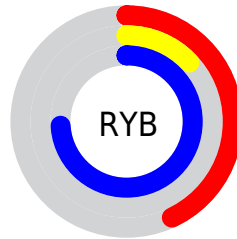
The CIELCh color **34, 89.778, 312.478** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **69, 79.349, 126.472**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 89.383, 312.438**, and **17, 78.824, 309.609** is the 20% darker color. If you saturate the color by 10%, you get **31, 95.998, 312.201**, and if you desaturate by 10%, it is **38, 81.138, 312.400**.

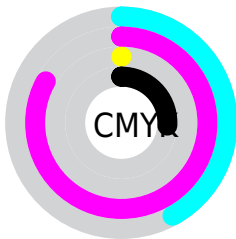
Distribution



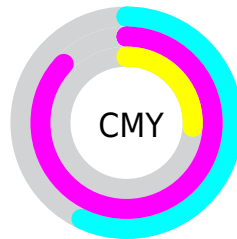
- Red (43%)
- Green (13%)
- Blue (74%)



- Red (43%)
- Yellow (13%)
- Blue (74%)



- Cyan (42%)
- Magenta (83%)
- Yellow (0%)
- Black (26%)



- Cyan (57%)
- Magenta (87%)
- Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 89.778, 312.478 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, 89.778, 312.478 by changing the saturation by 10% instead.

 34, 89.778,
312.478

 34, 89.778,
312.478

 100, 89.778,
312.478

 24, 89.778,
312.478

 54, 89.778,
312.478

 14, 89.778,
312.478

 64, 89.778,
312.478

 4, 89.778, 312.478

 74, 89.778,
312.478

 0, 89.778, 312.478

 84, 89.778,
312.478

 94, 89.778,
312.478

■ 34, 89.778,
312.478

■ 34, 89.778,
312.478

■ 31, 95.998,
312.201

■ 38, 81.138,
312.400

■ 29, 99.255,
311.812

■ 42, 70.863,
312.079

■ 47, 59.669,
311.618

■ 53, 48.081,
311.090

■ 58, 36.435,
310.545

■ 64, 24.929,
310.015

■ 69, 13.672,
309.514

■ 75, 2.719, 309.024

Harmonies

Complementary

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



34, 89.778, 312.478



69, 79.349, 126.472

Rectangle

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



34, 89.778, 312.478



34, 89.778, 2.478



34, 89.778, 132.478



34, 89.778, 182.478

Sweetspot

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



34, 89.778, 312.479



79, 34.441, 310.165



47, 46.165, 274.575



40, 23.589, 310.352



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



34, 89.778, 312.479



39, 120.870, 311.690



46, 86.854, 327.469



37, 6.184, 309.362



24, 87.246, 311.959



2, 18.068, 304.877

Inverse Universe

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



43, 64.062, 355.560



53, 81.994, 2.110



67, 89.064, 136.801



37, 4.991, 344.205



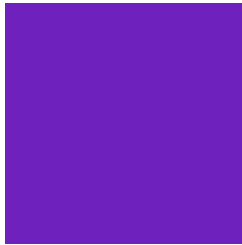
34, 59.381, 1.143



3, 13.974, 351.420

Previews

White Background



This preview shows how the CIELCh color 34, 89.778, 312.478 looks on a white background.

Color Contrast Check

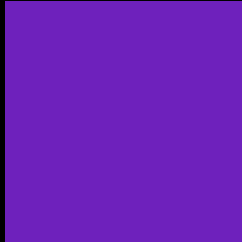
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.778, 312.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

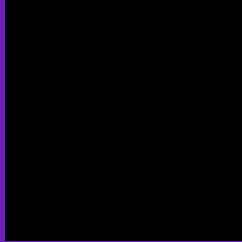
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 89.778, 312.478

Background



This preview shows how black text looks on a background with the CIELCh color 34, 89.778, 312.478.



This preview shows how white text looks on a background with the CIELCh color 34, 89.778, 312.478.

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, 89.778, 312.478

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 38.104, 272.695



Tritanopia
34, 5.412, 336.300

Trichromacy



Original Color
34, 89.778, 312.478



Protanomaly
32, 69.343, 297.418



Deuteranomaly
31, 58.608, 294.476



Tritanomaly
32, 39.403, 313.013

Monochromacy



Original Color
34, 89.778, 312.478



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 36.974, 311.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 89.778, 312.478 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(110, 33, 188)` looks like.

```
.text, #text, p{  
    color:rgb(110, 33, 188)  
}
```

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(110, 33, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 33, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 89.778, 312.478 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(110, 33, 188) }
```

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

```
.border{ border-color:rgb(110, 33, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 33, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 33, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 33, 188); box-shadow:4px 4px 4px 4px rgb(110, 33, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 89.778, 312.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 33, 188) }
```

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

```
.background{ background-color: rgb(110, 33,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor