

Converting Colors

CIELCh(34, 72.390, 309.171)

Have a look what the booklet for
CIELCh(34, 72.390, 309.171)
contains.

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Color

CIELCh(34, 72.326, 309.012)

Conversions

Conversions Part 1

Format	Color
Hex	6135AB
RGB	97, 53, 171
RGB Percent	38%, 21%, 67%
CMY	0.6200, 0.7925, 0.3298
CMYK	0.43, 0.69, 0.00, 0.33
HSL	262°, 53%, 44%
HSV	262°, 69%, 67%
XYZ	13.5262, 8.0082, 39.3050
YIQ	79.6080, -11.6540, 46.0260

Conversions

Conversions Part 2

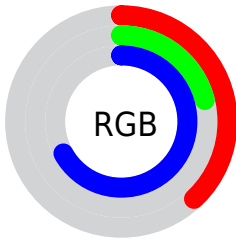
Format	Color
R _Y B	97, 53, 171
Decimal	6370731
CIE Lab	34.00, 45.53, -56.20
CIE LCh	34, 72.326, 309.012
Yxy	8.0082, 0.2223, 0.1316
Android (android.graphics.Color)	4284560811 (0xFF6135AB)
YUV	79.6080, 45.0563, 15.2528
Hunter-Lab	28.2988, 35.7961, -62.5404

Details

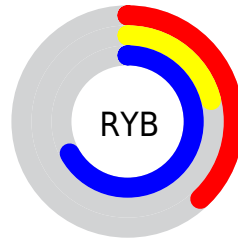
The CIELCh color **34, 72.326, 309.012** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **65, 62.714, 121.499**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 72.113, 308.990**, and **14, 72.332, 309.001** is the 20% darker color. If you saturate the color by 10%, you get **30, 81.694, 309.494**, and if you desaturate by 10%, it is **39, 61.916, 308.354**.

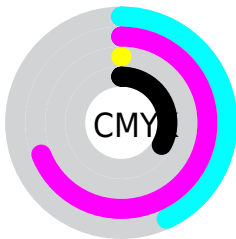
Distribution



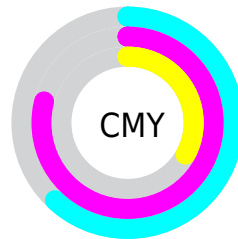
- Red (38%)
- Green (21%)
- Blue (67%)



- Red (38%)
- Yellow (21%)
- Blue (67%)



- Cyan (43%)
- Magenta (69%)
- Yellow (0%)
- Black (33%)





- Cyan (62%)
- Magenta (79%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 72.326, 309.012 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, 72.326, 309.012 by changing the saturation by 10% instead.


 34, 72.326,
309.012

 34, 72.326,
309.012

 100, 72.326,
309.012


 24, 72.326,
309.012

 54, 72.326,
309.012

 14, 72.326,
309.012

 64, 72.326,
309.012

 4, 72.326, 309.012

 74, 72.326,
309.012

 0, 72.326, 309.012

 84, 72.326,
309.012

 94, 72.326,
309.012

■ 34, 72.326,
309.012

■ 34, 72.326,
309.012

■ 30, 81.694,
309.494

■ 39, 61.916,
308.354

■ 26, 89.172,
309.655

■ 44, 51.082,
307.624

■ 24, 94.374,
309.467

■ 49, 40.201,
306.891

■ 24, 94.860,
309.459

■ 54, 29.483,
306.193

■ 60, 19.033,
305.550

■ 65, 8.895, 304.968

■ 70, 0.915, 124.534

■ 76, 10.400,
124.016

■ 81, 19.571,
123.618

Harmonies

Complementary

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



34, 72.326, 309.012



65, 62.714, 121.499

Rectangle

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



34, 72.326, 309.012



34, 72.326, 359.012



34, 72.326, 129.012



34, 72.326, 179.012

Sweetspot

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



34, 72.326, 309.013



74, 26.048, 305.695



51, 30.992, 253.450



38, 17.847, 305.864



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



34, 72.326, 309.013



37, 104.546, 309.631



42, 72.209, 323.447



34, 5.637, 304.983



20, 86.267, 309.566



1, 11.624, 301.953

Inverse Universe

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



42, 57.127, 344.130



51, 77.213, 346.800



62, 71.931, 136.132



34, 5.071, 338.023



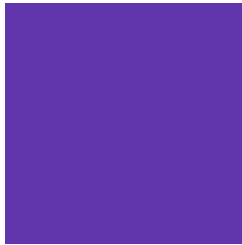
33, 59.900, 350.109



2, 9.926, 341.978

Previews

White Background



This preview shows how the CIELCh color 34, 72.326, 309.012 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, 72.326, 309.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

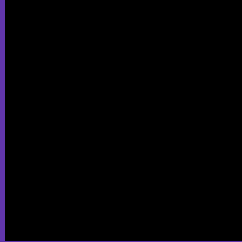
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 72.326, 309.012

Background



This preview shows how black text looks on a background with the CIELCh color 34, 72.326, 309.012.



This preview shows how white text looks on a background with the CIELCh color 34, 72.326, 309.012.

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

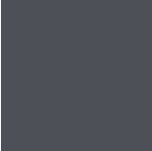
34, 72.326, 309.012

Protanopia

34, 54.630, 286.500

Deuteranopia

34, 39.182, 274.203



Tritanopia
34, 4.538, 275.088

Trichromacy



Original Color
34, 72.326, 309.012



Protanomaly
32, 61.949, 293.953



Deuteranomaly
32, 51.700, 289.955



Tritanomaly
33, 30.746, 304.316

Monochromacy



Original Color
34, 72.326, 309.012



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 27.837, 306.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 72.326, 309.012 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(97, 53, 171)` looks like.

```
.text, #text, p{  
    color:rgb(97, 53, 171)  
}
```

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(97, 53, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 53, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 72.326, 309.012 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(97, 53, 171) }
```

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

```
.border{ border-color:rgb(97, 53, 171) }
```

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

Here you see how a box with a 4 pixel rgb(97, 53, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 53, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 53, 171);  
box-shadow:4px 4px 4px 4px rgb(97, 53,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 72.326, 309.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 53, 171) }
```

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

```
.background{ background-color: rgb(97, 53,  
171) }
```

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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