Converting Colors

CIELCh(34, 79.921, 318.218)

Have a look what the booklet for CIELCh(34, 79.921, 318.218) contains.

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Color

CIELCh(34, 79.732, 318.195)

Conversions

Format	Color
Hex	7D1DA6
RGB	125, 29, 166
RGB Percent	49%, 11%, 65%
CMY	0.5094, 0.8858, 0.3487
CMYK	0.25, 0.82, 0.00, 0.35
HSL	282°, 70%, 38%
HSV	282°, 82%, 65%
XYZ	15.8050, 8.0082, 36.8339
YIQ	73.3220, 13.2390, 62.9590

Conversions Part 1

Conversions

Conversions Part 2

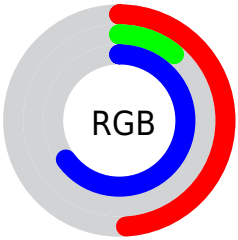
Format	Color
RYB	125, 29, 166
Decimal	8199590
CIELab	34.00, 59.43, -53.15
CIELCh	34, 79.732, 318.195
Yxy	8.0082, 0.2606, 0.1320
Android (android.graphics.Color)	4286389670 (0xFF7D1DA6)
YUV	73.3220, 45.6903, 45.3216
Hunter-Lab	28.2988, 50.1700, -57.3631

Details

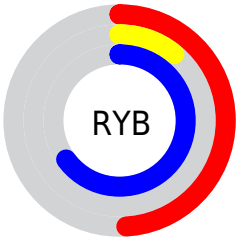
The CIELCh color 34, 79.732, 318.195 is a dark color, and the websafe version is hex 660099. A complement of this color would be 61, 76.366, 132.303, and the grayscale version is 31, 0.005, 296.813.

A 20% lighter version of the original color is 54, 79.596, 318.240, and 18, 66.521, 315.418 is the 20% darker color. If you saturate the color by 10%, you get 32, 84.375, 317.845, and if you desaturate by 10%, it is 37, 72.955, 318.279.

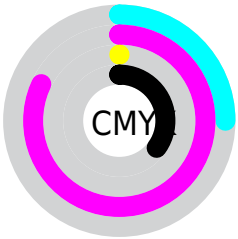
Distribution



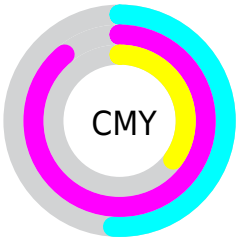
- Red (49%)
- Green (11%)
- Blue (65%)



- Red (49%)
- Yellow (11%)
- Blue (65%)



- Cyan (25%)
- Magenta (82%)
- Yellow (0%)
- Black (35%)



- Cyan (51%)
- Magenta (89%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 79.732, 318.195 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, 79.732, 318.195 by changing the saturation by 10% instead.

34, 79.732, 318.195

34, 79.732, 318.195

100, 79.732, 318.195

24, 79.732, 318.195

54, 79.732, 318.195

14, 79.732, 318.195

64, 79.732, 318.195

4, 79.732, 318.195

0, 79.732, 318.195

74, 79.732, 318.195

84, 79.732, 318.195

94, 79.732, 318.195

34, 79.732, 318.195

32, 84.375, 317.845

31, 86.823, 317.460

34, 79.732, 318.195

37, 72.955, 318.279

40, 64.507, 318.156

44, 54.920, 317.889

48, 44.662, 317.531

53, 34.089, 317.122

57, 23.446, 316.691

62, 12.893, 316.258

67, 2.529, 315.794

72, 7.592, 135.485

Harmonies

Complementary

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

34, 79.732, 318.195

61, 76.366, 132.303

Rectangle

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

34, 79.732, 318.195

34, 79.732, 8.195

34, 79.732, 138.195

34, 79.732, 188.195

Sweetspot

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

34, 79.731, 318.195

72, 32.471, 316.821

33, 60.027, 292.247

36, 22.378, 316.967

94, 0.011, 296.813

46, 0.006, 296.813

Same Dimension

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

34, 79.731, 318.195

41, 105.659, 317.348

39, 68.678, 336.342

33, 5.897, 316.120

27, 79.692, 317.550

1, 10.457, 313.339

Inverse Universe

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

37, 56.921, 12.195

46, 77.454, 21.304

60, 72.939, 141.424

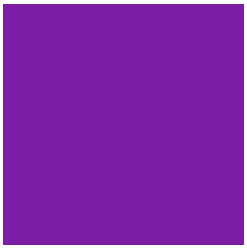
33, 4.018, 356.812

31, 58.110, 20.073

2, 7.049, 358.961

Previews

White Background

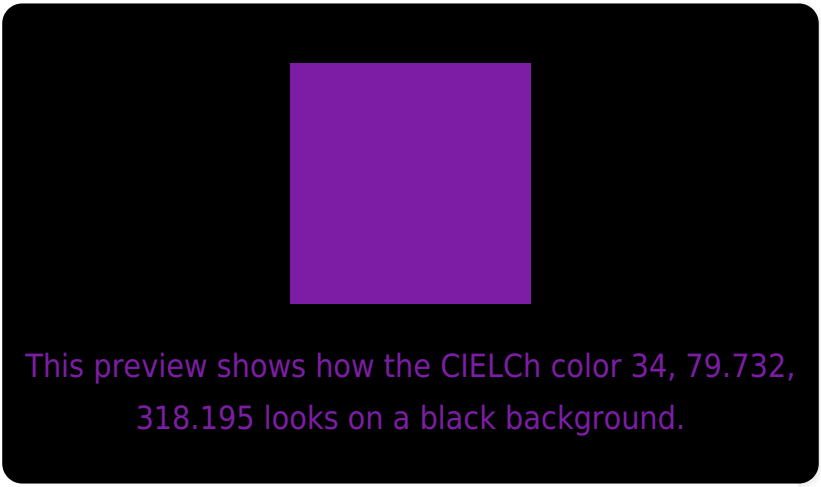


This preview shows how the CIELCh color 34, 79.732, 318.195 looks on a white background.

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

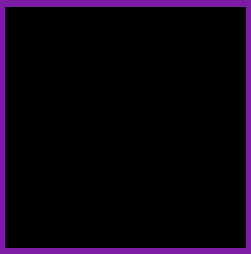


Color Contrast Check

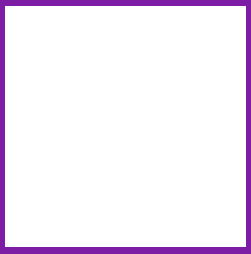
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 34, 79.732, 318.195 Background



This preview shows how black text looks on a background with the CIELCh color 34, 79.732, 318.195.



This preview shows how white text looks on a background with the CIELCh color 34, 79.732, 318.195.

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

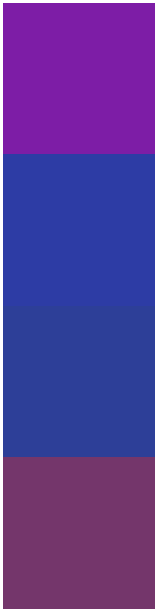
Original Color
34, 79.732, 318.195

Protanopia
34, 54.560, 286.234

Deuteranopia
34, 39.710, 274.410

Tritanopia
34, 19.350, 13.652

Trichromacy



Original Color
34, 79.732, 318.195

Protanomaly
31, 65.968, 297.888

Deuteranomaly
30, 56.318, 295.273

Tritanomaly
33, 39.608, 331.819

Monochromacy

Original Color
34, 79.732, 318.195

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 34.262, 317.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 79.732, 318.195 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(125, 29, 166) looks like.

```
.text, #text, p{
    color:rgb(125, 29, 166)
}
```

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(125, 29, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 29, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 79.732, 318.195 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(125, 29, 166) }
```

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

```
.border{ border-color:rgb(125, 29, 166) }
```

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

Here you see how a box with a 4 pixel rgb(125, 29, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 29, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 29, 166); box-shadow:4px 4px 4px 4px rgb(125, 29, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 79.732, 318.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(125, 29, 166) }
```

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

```
.background{ background-color:rgb(125, 29,
166) }
```

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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