

Converting Colors

CIELCh(32, 84.814, 319.440)

Have a look what the booklet for
CIELCh(32, 84.814, 319.440)
contains.

CIELCh(32, 84.780, 319.425)	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(32, 84.780, 319.425)

Conversions

Conversions Part 1

Format	Color
Hex	7D02A4
RGB	125, 2, 164
RGB Percent	49%, 1%, 64%
CMY	0.5098, 0.9921, 0.3568
CMYK	0.24, 0.99, 0.00, 0.36
HSL	286°, 98%, 33%
HSV	286°, 99%, 64%
XYZ	15.1823, 7.0852, 35.6938
YIQ	57.2450, 21.3060, 76.4580

Conversions

Conversions Part 2

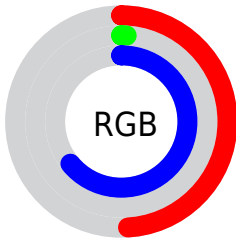
Format	Color
RYB	125, 2, 164
Decimal	8192676
CIELab	32.00, 64.40, -55.14
CIElCh	32, 84.780, 319.425
Yxy	7.0852, 0.2619, 0.1222
Android (android.graphics.Color)	4286382756 (0xFF7D02A4)
YUV	57.2450, 52.6302, 59.4211
Hunter-Lab	26.6180, 55.2310, -60.8733

Details

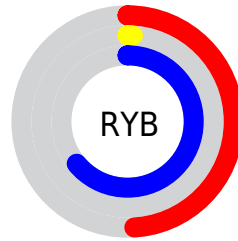
The CIELCh color **32, 84.780, 319.425** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **59, 83.440, 133.993**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 84.762, 319.382**, and **18, 65.645, 315.499** is the 20% darker color. If you saturate the color by 10%, you get **32, 85.152, 319.373**, and if you desaturate by 10%, it is **34, 81.587, 319.852**.

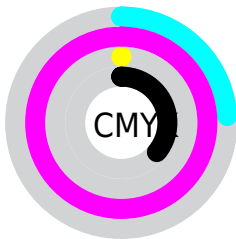
Distribution



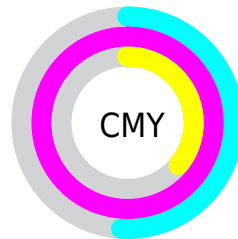
- Red (49%)
- Green (1%)
- Blue (64%)



- Red (49%)
- Yellow (1%)
- Blue (64%)



- Cyan (24%)
- Magenta (99%)
- Yellow (0%)
- Black (36%)



- Cyan (51%)
- Magenta (99%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 84.780, 319.425 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 32, 84.780, 319.425 by changing the saturation by 10% instead.

 32, 84.780,
319.425

 32, 84.780,
319.425

 100, 84.780,
319.425

 22, 84.780,
319.425

 52, 84.780,
319.425

 12, 84.780,
319.425

 62, 84.780,
319.425

 2, 84.780, 319.425

 72, 84.780,
319.425

 0, 84.780, 319.425

 82, 84.780,
319.425

 92, 84.780,
319.425

■ 32, 84.780,
319.425

■ 32, 84.780,
319.425

■ 32, 85.152,
319.373

■ 34, 81.587,
319.852

■ 36, 76.472,
320.065

■ 39, 69.373,
320.059

■ 42, 60.742,
319.883

■ 46, 51.072,
319.588

■ 50, 40.790,
319.216

■ 54, 30.224,
318.802

■ 59, 19.603,

318.368

■ 63, 9.078, 317.928

Harmonies

Complementary

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



32, 84.780, 319.425



59, 83.440, 133.993

Rectangle

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



32, 84.780, 319.425



32, 84.780, 9.425



32, 84.780, 139.425



32, 84.780, 189.425

Sweetspot

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



32, 84.779, 319.425



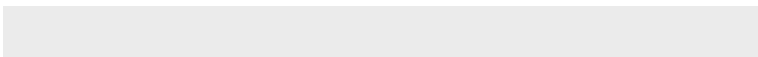
69, 39.198, 318.878



25, 77.615, 300.007



34, 26.718, 319.045



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



32, 84.779, 319.425



42, 103.944, 319.221



37, 68.588, 341.041



32, 5.838, 317.950



28, 77.904, 319.454



1, 8.881, 315.933

Inverse Universe

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



34, 64.288, 25.086



45, 79.764, 26.847



59, 77.911, 140.098



32, 3.813, 0.990



30, 59.077, 25.050



1, 5.754, 1.877

Previews

White Background



This preview shows how the CIELCh color 32, 84.780, 319.425 looks on a white background.

Color Contrast Check

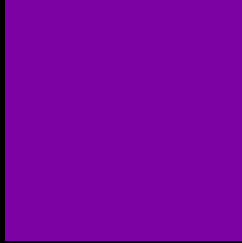
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 84.780, 319.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

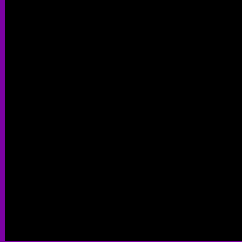
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 84.780, 319.425

Background



This preview shows how black text looks on a background with the CIELCh color 32, 84.780, 319.425.



This preview shows how white text looks on a background with the CIELCh color 32, 84.780, 319.425.

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

32, 84.780, 319.425

Protanopia

33, 53.037, 286.186

Deuteranopia

33, 38.122, 273.770



Tritanopia
33, 21.888, 15.340

Trichromacy



Original Color
32, 84.780, 319.425



Protanomaly
27, 71.541, 301.204



Deuteranomaly
27, 60.846, 299.021



Tritanomaly
30, 45.909, 333.074

Monochromacy



Original Color
32, 84.780, 319.425



Achromatopsia
24, 0.004, 296.813



Achromatomaly
24, 40.995, 319.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 84.780, 319.425 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, 2, 164)` looks like.

```
.text, #text, p{  
    color:rgb(125, 2, 164)  
}
```

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, 2, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 2, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 84.780, 319.425 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, 2, 164) }
```

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

```
.border{ border-color:rgb(125, 2, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 2, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 2, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 2, 164);  
box-shadow:4px 4px 4px 4px rgb(125, 2,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 84.780, 319.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 2, 164) }
```

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

```
.background{ background-color: rgb(125, 2,  
164) }
```

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