

Converting Colors

CIELCh(30, 81.623, 328.527)

Have a look what the booklet for
CIELCh(30, 81.623, 328.527)
contains.

CIELCh(32, 73.609, 327.954)	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, 73.609, 327.954)

Conversions

Conversions Part 1

Format	Color
Hex	89008A
RGB	137, 0, 138
RGB Percent	54%, 0%, 54%
CMY	0.4633, 1.0000, 0.4591
CMYK	0.01, 1.00, 0.00, 0.46
HSL	300°, 100%, 27%
HSV	300°, 100%, 54%
XYZ	14.8486, 7.0852, 24.6024
YIQ	56.6950, 37.3540, 71.9620

Conversions

Conversions Part 2

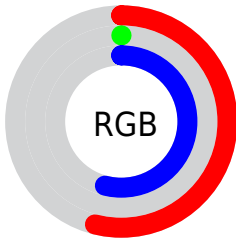
Format	Color
R_{YB}	137, 0, 138
Decimal	8978570
CIE _{Lab}	32.00, 62.39, -39.06
CIE _{LCh}	32, 73.609, 327.954
Yxy	7.0852, 0.3191, 0.1523
Android (android.graphics.Color)	4287168650 (0xFF89008A)
YUV	56.6950, 40.0834, 70.4275
Hunter-Lab	26.6180, 52.9931, -36.1680

Details

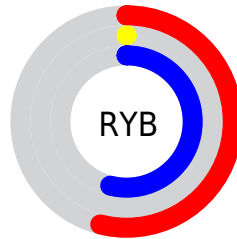
The CIELCh color **32, 73.609, 327.954** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **50, 75.795, 135.970**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 73.126, 327.995**, and **18, 52.940, 326.146** is the 20% darker color. If you saturate the color by 10%, you get **32, 73.198, 327.933**, and if you desaturate by 10%, it is **33, 70.907, 327.848**.

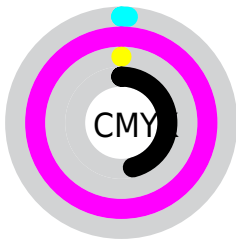
Distribution



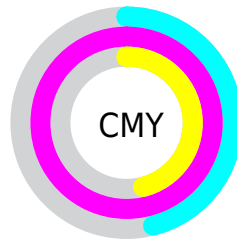
- Red (54%)
- Green (0%)
- Blue (54%)



- Red (54%)
- Yellow (0%)
- Blue (54%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (46%)





- Cyan (46%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 73.609, 327.954 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, 73.609, 327.954 by changing the saturation by 10% instead.


 32, 73.609,
327.954


 32, 73.609,
327.954

 100, 73.609,
327.954


 22, 73.609,
327.954

 52, 73.609,
327.954


 12, 73.609,
327.954


 62, 73.609,
327.954

 2, 73.609, 327.954

 72, 73.609,
327.954

 0, 73.609, 327.954

 82, 73.609,
327.954

 92, 73.609,
327.954

■ 32, 73.609,
327.954

■ 32, 73.609,
327.954

■ 32, 73.198,
327.933

■ 33, 70.907,
327.848

■ 34, 67.351,
327.697

■ 36, 62.069,
327.457

■ 38, 55.261,
327.132

■ 40, 47.249,
326.736

■ 43, 38.386,
326.284

■ 47, 28.997,
325.792

■ 50, 19.347,

325.275

■ 54, 9.636, 324.741

Harmonies

Complementary

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



32, 73.609, 327.954



50, 75.795, 135.970

Rectangle

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



32, 73.609, 327.954



32, 73.609, 17.954



32, 73.609, 147.954



32, 73.609, 197.954

Sweetspot

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



32, 73.198, 327.933



59, 35.782, 325.825



15, 83.854, 306.002



29, 24.270, 326.006



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



32, 73.198, 327.933



42, 88.455, 327.927



29, 53.967, 359.367



27, 5.428, 324.694



31, 71.137, 327.935



0, 2.505, 324.234

Inverse Universe

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



28, 64.959, 38.635



37, 79.637, 39.655



50, 56.651, 148.915



27, 3.148, 19.256



27, 62.886, 38.355



0, 1.414, 18.760

Previews

White Background



This preview shows how the CIELCh color 32, 73.609, 327.954 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, 73.609, 327.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

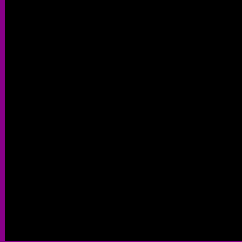
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 73.609, 327.954

Background



This preview shows how black text looks on a background with the CIELCh color 32, 73.609, 327.954.



This preview shows how white text looks on a background with the CIELCh color 32, 73.609, 327.954.

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, 73.224, 327.953

Protanopia

33, 53.546, 286.203

Deuteranopia

34, 32.736, 279.125



Tritanopia
33, 35.060, 22.531

Trichromacy



Original Color
32, 73.224, 327.953

Protanomaly
27, 66.844, 301.482

Deuteranomaly
28, 53.354, 307.860

Tritanomaly
31, 46.474, 349.803

Monochromacy



Original Color
32, 73.224, 327.953

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 36.862, 327.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 73.609, 327.954 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(137, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 138)  
}
```

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(137, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 73.609, 327.954 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(137, 0, 138) }
```

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

```
.border{ border-color:rgb(137, 0, 138) }
```

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

Here you see how a box with a 4 pixel rgb(137, 0, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(137, 0,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 73.609, 327.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 138) }
```

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

```
.background{ background-color: rgb(137, 0,  
138) }
```

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