

Converting Colors

CIELCh(37, 84.149, 320.355)

Have a look what the booklet for
CIELCh(37, 84.149, 320.355)
contains.

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Color

CIELCh(37, 84.039, 320.349)

Conversions

Conversions Part 1

Format	Color
Hex	8D1AAF
RGB	141, 26, 175
RGB Percent	55%, 10%, 69%
CMY	0.4462, 0.8968, 0.3129
CMYK	0.19, 0.85, 0.00, 0.31
HSL	286°, 74%, 40%
HSV	286°, 85%, 69%
XYZ	19.1564, 9.5379, 41.4976
YIQ	77.3710, 20.7110, 70.7190

Conversions

Conversions Part 2

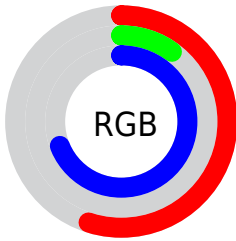
Format	Color
R_{YB}	141, 26, 175
Decimal	9247407
CIE _{Lab}	37.00, 64.71, -53.63
CIE _{LCh}	37, 84.039, 320.349
Yxy	9.5379, 0.2729, 0.1359
Android (android.graphics.Color)	4287437487 (0xFF8D1AAF)
YUV	77.3710, 48.1311, 55.8026
Hunter-Lab	30.8835, 56.6738, -58.0483

Details

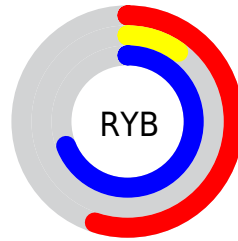
The CIELCh color $37, 84.039, 320.349$ is a dark color, and the websafe version is hex $9933CC$. A complement of this color would be $63, 82.466, 133.820$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 83.833, 320.510$, and $21, 68.821, 317.783$ is the 20% darker color. If you saturate the color by 10%, you get $35, 87.823, 319.982$, and if you desaturate by 10%, it is $39, 77.958, 320.476$.

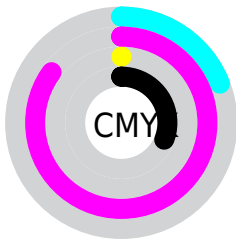
Distribution



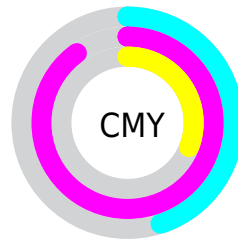
- Red (55%)
- Green (10%)
- Blue (69%)



- Red (55%)
- Yellow (10%)
- Blue (69%)



- Cyan (19%)
- Magenta (85%)
- Yellow (0%)
- Black (31%)



- Cyan (45%)
- Magenta (90%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 84.039, 320.349 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 37, 84.039, 320.349 by changing the saturation by 10% instead.

 37, 84.039,
320.349

 37, 84.039,
320.349

 100, 84.039,
320.349

 27, 84.039,
320.349

 57, 84.039,
320.349

 17, 84.039,
320.349


 67, 84.039,
320.349

 7, 84.039, 320.349

 77, 84.039,
320.349

 0, 84.039, 320.349

 87, 84.039,
320.349

 97, 84.039,
320.349

■ 37, 84.039,
320.349

■ 37, 84.039,
320.349

■ 35, 87.823,
319.982

■ 39, 77.958,
320.476

■ 35, 89.251,
319.754

■ 43, 69.912,
320.403

■ 46, 60.405,
320.178

■ 50, 49.943,
319.850

■ 55, 38.948,
319.458

■ 59, 27.736,
319.031

■ 64, 16.521,
318.590

■ 69, 5.445, 318.136

Harmonies

Complementary

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



37, 84.039, 320.349



63, 82.466, 133.820

Rectangle

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



37, 84.039, 320.349



37, 84.039, 10.349



37, 84.039, 140.349



37, 84.039, 190.349

Sweetspot

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



37, 84.038, 320.349



75, 34.266, 319.050



31, 71.476, 296.766



38, 23.600, 319.199



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



37, 84.038, 320.349



45, 108.357, 319.621



41, 69.203, 340.230



34, 6.161, 318.336



29, 79.745, 319.848



2, 12.635, 315.509

Inverse Universe

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



38, 61.713, 19.418



48, 84.111, 28.067



63, 74.129, 142.939



34, 3.989, 1.918



31, 61.107, 26.259



2, 8.110, 4.304

Previews

White Background



This preview shows how the CIELCh color 37, 84.039, 320.349 looks on a white background.

Color Contrast Check

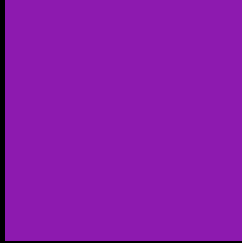
Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 84.039, 320.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

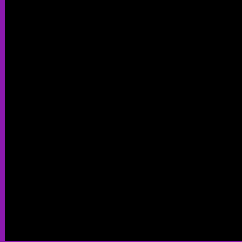
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 84.039, 320.349

Background



This preview shows how black text looks on a background with the CIELCh color 37, 84.039, 320.349.



This preview shows how white text looks on a background with the CIELCh color 37, 84.039, 320.349.

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

37, 84.039, 320.349

Protanopia

37, 58.639, 286.590

Deuteranopia

37, 43.375, 275.699



Tritanopia
37, 25.126, 16.785

Trichromacy



Original Color
37, 84.039, 320.349

Protanomaly
33, 70.638, 298.523

Deuteranomaly
33, 60.570, 296.172

Tritanomaly
36, 44.265, 336.325

Monochromacy



Original Color
37, 84.039, 320.349

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 37.074, 320.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 84.039, 320.349 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(141, 26, 175)` looks like.

```
.text, #text, p{  
    color:rgb(141, 26, 175)  
}
```

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(141, 26, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 26, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 84.039, 320.349 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(141, 26, 175) }
```

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

```
.border{ border-color:rgb(141, 26, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 26, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 26, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 26, 175);  
box-shadow:4px 4px 4px 4px rgb(141, 26,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 84.039, 320.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 26, 175) }
```

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

```
.background{ background-color: rgb(141, 26,  
175) }
```

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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