

Converting Colors

CIELCh(30, 73.186, 319.657)

Have a look what the booklet for
CIELCh(30, 73.186, 319.657)
contains.

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Color

CIELCh(30, 73.329, 319.737)

Conversions

Conversions Part 1

Format	Color
Hex	731592
RGB	115, 21, 146
RGB Percent	45%, 8%, 57%
CMY	0.5496, 0.9184, 0.4280
CMYK	0.21, 0.86, 0.00, 0.43
HSL	285°, 75%, 33%
HSV	285°, 86%, 57%
XYZ	12.4945, 6.2359, 27.6839
YIQ	63.3560, 15.8990, 58.8030

Conversions

Conversions Part 2

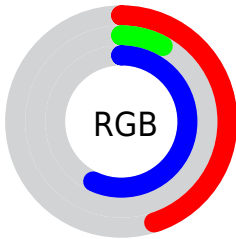
Format	Color
R _{YB}	115, 21, 146
Decimal	7542162
CIE _{Lab}	30.00, 55.96, -47.39
CIE _{LCh}	30, 73.329, 319.737
Y _{xy}	6.2359, 0.2692, 0.1344
Android (android.graphics.Color)	4285732242 (0xFF731592)
Y _{UV}	63.3560, 40.7435, 45.2918
Hunter-Lab	24.9718, 45.6111, -48.2491

Details

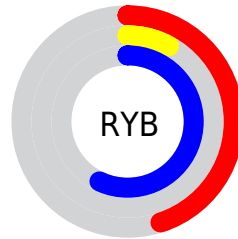
The CIELCh color **30, 73.329, 319.737** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **53, 71.499, 133.439**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 73.599, 319.788**, and **14, 58.024, 316.474** is the 20% darker color. If you saturate the color by 10%, you get **28, 76.866, 319.379**, and if you desaturate by 10%, it is **32, 67.918, 319.864**.

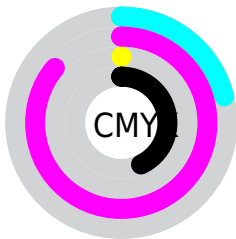
Distribution



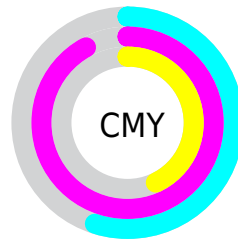
- Red (45%)
- Green (8%)
- Blue (57%)



- Red (45%)
- Yellow (8%)
- Blue (57%)



- Cyan (21%)
- Magenta (86%)
- Yellow (0%)
- Black (43%)





- Cyan (55%)
- Magenta (92%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 73.329, 319.737 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 30, 73.329, 319.737 by changing the saturation by 10% instead.


 30, 73.329,
319.737


 30, 73.329,
319.737

 100, 73.329,
319.737


 20, 73.329,
319.737


 50, 73.329,
319.737


 10, 73.329,
319.737

 60, 73.329,
319.737

 0, 73.329, 319.737

 70, 73.329,
319.737

 80, 73.329,
319.737

 90, 73.329,
319.737

■ 30, 73.329,
319.737

■ 30, 73.329,
319.737

■ 28, 76.866,
319.379

■ 32, 67.918,
319.864

■ 28, 78.195,
319.215

■ 35, 60.867,
319.790

■ 38, 52.612,
319.567

■ 42, 43.580,
319.244

■ 46, 34.120,
318.857

■ 50, 24.491,
318.438

■ 54, 14.870,
318.007

■ 58, 5.370, 317.567

Harmonies

Complementary

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



30, 73.329, 319.737



53, 71.499, 133.439

Rectangle

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



30, 73.329, 319.737



30, 73.329, 9.737



30, 73.329, 139.737



30, 73.329, 189.737

Sweetspot

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



30, 73.328, 319.737



63, 30.542, 318.472



26, 60.616, 295.782



31, 20.665, 318.602



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



30, 73.328, 319.737



37, 94.625, 319.049



34, 61.016, 339.221



29, 5.369, 317.723



26, 74.968, 319.257



1, 4.656, 317.357

Inverse Universe

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



32, 53.350, 17.558



40, 71.962, 25.740



53, 65.299, 142.505



29, 3.523, 0.454



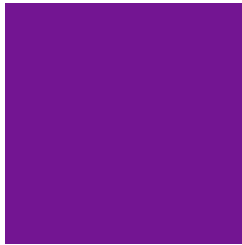
28, 56.456, 24.147



1, 3.019, 359.668

Previews

White Background



This preview shows how the CIE LCh color 30, 73.329, 319.737 looks on a white background.

Color Contrast Check

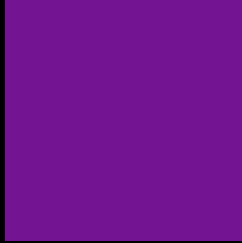
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 73.329, 319.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

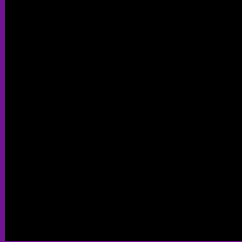
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 73.329, 319.737

Background



This preview shows how black text looks on a background with the CIELCh color 30, 73.329, 319.737.



This preview shows how white text looks on a background with the CIELCh color 30, 73.329, 319.737.

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

30, 73.329, 319.737

Protanopia

31, 49.304, 285.461

Deuteranopia

31, 36.547, 274.202



Tritanopia
30, 20.756, 14.789

Trichromacy



Original Color
30, 73.329, 319.737

Protanomaly
27, 60.918, 298.538

Deuteranomaly
27, 51.672, 295.943

Tritanomaly
29, 38.104, 334.601

Monochromacy



Original Color
30, 73.329, 319.737

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 31.868, 319.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 73.329, 319.737 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(115, 21, 146)` looks like.

```
.text, #text, p{  
    color:rgb(115, 21, 146)  
}
```

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(115, 21, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 21, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 73.329, 319.737 is called "border". The border property can be set on classes, ids or directly on the HTML element.

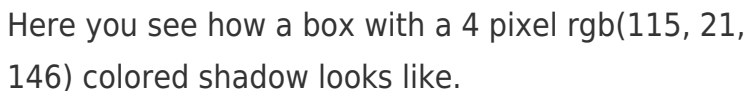
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 21, 146) }
```

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

```
.border{ border-color:rgb(115, 21, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 21, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 21, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 21, 146);  
box-shadow:4px 4px 4px 4px rgb(115, 21,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 73.329, 319.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 21, 146) }
```

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

```
.background{ background-color: rgb(115, 21,  
146) }
```

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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