

Converting Colors

CIELCh(30, 69.815, 305.545)

Have a look what the booklet for
CIELCh(30, 69.815, 305.545)
contains.

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Color

CIELCh(30, 69.935, 305.528)

Conversions

Conversions Part 1

Format	Color
Hex	4A31A1
RGB	74, 49, 161
RGB Percent	29%, 19%, 63%
CMY	0.7095, 0.8076, 0.3684
CMYK	0.54, 0.70, 0.00, 0.37
HSL	253°, 53%, 41%
HSV	253°, 70%, 63%
XYZ	10.3695, 6.2359, 34.4070
YIQ	69.2430, -21.0520, 40.1320

Conversions

Conversions Part 2

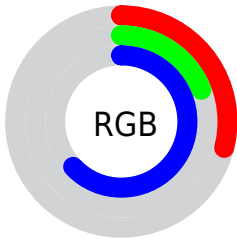
Format	Color
R_{YB}	74, 49, 161
Decimal	4862369
CIE _{Lab}	30.00, 40.64, -56.92
CIE _{LCh}	30, 69.935, 305.528
Yxy	6.2359, 0.2033, 0.1222
Android (android.graphics.Color)	4283052449 (0xFF4A31A1)
YUV	69.2430, 45.2362, 4.1719
Hunter-Lab	24.9718, 30.4215, -64.2116

Details

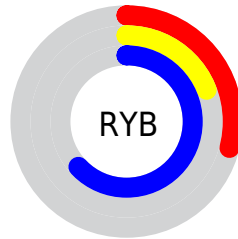
The CIELCh color **30, 69.935, 305.528** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **62, 58.231, 114.988**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 70.235, 305.644**, and **10, 69.492, 305.659** is the 20% darker color. If you saturate the color by 10%, you get **26, 79.519, 306.529**, and if you desaturate by 10%, it is **35, 59.517, 304.388**.

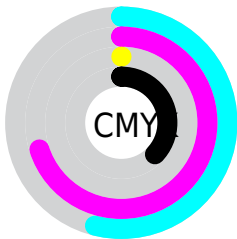
Distribution



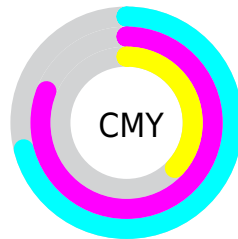
- Red (29%)
- Green (19%)
- Blue (63%)



- Red (29%)
- Yellow (19%)
- Blue (63%)



- Cyan (54%)
- Magenta (70%)
- Yellow (0%)
- Black (37%)





- Cyan (71%)
- Magenta (81%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 69.935, 305.528 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, 69.935, 305.528 by changing the saturation by 10% instead.


 30, 69.935,
305.528


 30, 69.935,
305.528

 100, 69.935,
305.528


 20, 69.935,
305.528


 50, 69.935,
305.528


 10, 69.935,
305.528

 60, 69.935,
305.528

 0, 69.935, 305.528

 70, 69.935,
305.528

 80, 69.935,
305.528

 90, 69.935,
305.528

■ 30, 69.935,
305.528

■ 30, 69.935,
305.528

■ 26, 79.519,
306.529

■ 35, 59.517,
304.388

■ 22, 87.290,
307.197

■ 40, 48.893,
303.239

■ 20, 92.837,
307.522

■ 45, 38.396,
302.155

■ 20, 93.090,
307.544

■ 50, 28.178,
301.170

■ 56, 18.300,
300.295

■ 61, 8.775, 299.528

■ 67, 0.405, 118.906

■ 72, 9.254, 118.288

■ 77, 17.792,
117.789

Harmonies

Complementary

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



30, 69.935, 305.528



62, 58.231, 114.988

Rectangle

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



30, 69.935, 305.528



30, 69.935, 355.528



30, 69.935, 125.528



30, 69.935, 175.528

Sweetspot

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



30, 69.935, 305.529



70, 24.404, 300.449



53, 27.187, 228.907



35, 16.563, 300.668



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



30, 69.935, 305.529



33, 101.629, 306.918



37, 68.930, 318.749



32, 5.255, 299.509



17, 86.261, 307.610



1, 8.038, 298.082

Inverse Universe

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



41, 60.144, 336.311



49, 80.931, 337.722



59, 66.313, 132.821



32, 5.365, 331.904



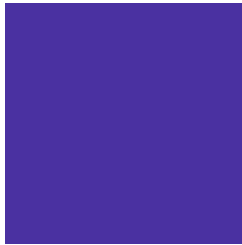
32, 64.187, 339.347



1, 7.997, 333.268

Previews

White Background



This preview shows how the CIE LCh color 30, 69.935, 305.528 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, 69.935, 305.528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

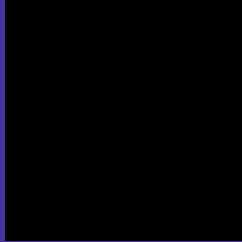
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 69.935, 305.528

Background



This preview shows how black text looks on a background with the CIELCh color 30, 69.935, 305.528.



This preview shows how white text looks on a background with the CIELCh color 30, 69.935, 305.528.

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, 69.935, 305.528

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 34.375, 272.006



Tritanopia
30, 11.128, 218.336

Trichromacy



Original Color
30, 69.935, 305.528

Protanomaly
29, 56.824, 293.231

Deuteranomaly
29, 46.987, 288.724

Tritanomaly
29, 28.314, 289.350

Monochromacy



Original Color
30, 69.935, 305.528

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 26.091, 301.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 69.935, 305.528 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(74, 49, 161)` looks like.

```
.text, #text, p{  
    color:rgb(74, 49, 161)  
}
```

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(74, 49, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 49, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 69.935, 305.528 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(74, 49, 161) }
```

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

```
.border{ border-color:rgb(74, 49, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 49, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 49, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 49, 161);  
box-shadow:4px 4px 4px 4px rgb(74, 49,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 69.935, 305.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 49, 161) }
```

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

```
.background{ background-color: rgb(74, 49,  
161) }
```

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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