

Converting Colors

CIELCh(31, 69.752, 302.989)

Have a look what the booklet for
CIELCh(31, 69.752, 302.989)
contains.

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Color

CIELCh(31, 69.236, 302.829)

Conversions

Conversions Part 1

Format	Color
Hex	4337A6
RGB	67, 55, 166
RGB Percent	26%, 22%, 65%
CMY	0.7380, 0.7849, 0.3497
CMYK	0.60, 0.67, 0.00, 0.35
HSL	246°, 50%, 43%
HSV	246°, 67%, 65%
XYZ	10.5274, 6.6515, 36.7205
YIQ	71.2420, -28.4790, 37.0650

Conversions

Conversions Part 2

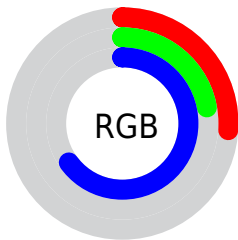
Format	Color
R _{YB}	67, 55, 166
Decimal	4405158
CIE _{Lab}	31.00, 37.54, -58.18
CIE _{LCh}	31, 69.236, 302.829
Yxy	6.6515, 0.1953, 0.1234
Android (android.graphics.Color)	4282595238 (0xFF4337A6)
YUV	71.2420, 46.7157, -3.7202
Hunter-Lab	25.7905, 27.7283, -66.3638

Details

The CIELCh color **31, 69.236, 302.829** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **65, 56.968, 109.557**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 69.182, 302.813**, and **12, 68.197, 304.217** is the 20% darker color. If you saturate the color by 10%, you get **26, 79.738, 304.400**, and if you desaturate by 10%, it is **36, 58.169, 301.194**.

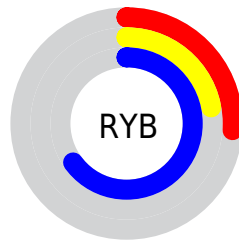
Distribution



Red (26%)

Green (22%)

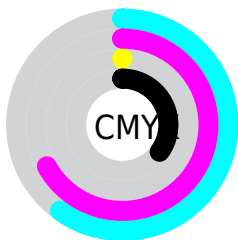
Blue (65%)



Red (26%)

Yellow (22%)

Blue (65%)

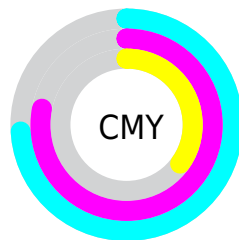


Cyan (60%)

Magenta (67%)

Yellow (0%)

Black (35%)



Cyan (74%)


Magenta (78%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 69.236, 302.829 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 31, 69.236, 302.829 by changing the saturation by 10% instead.


 31, 69.236,
302.829


 31, 69.236,
302.829

 100, 69.236,
302.829


 21, 69.236,
302.829

 51, 69.236,
302.829


 11, 69.236,
302.829


 61, 69.236,
302.829

 1, 69.236, 302.829

 71, 69.236,
302.829

 0, 69.236, 302.829

 81, 69.236,
302.829

 91, 69.236,
302.829

■ 31, 69.236,
302.829

■ 31, 69.236,
302.829

■ 26, 79.738,
304.400

■ 36, 58.169,
301.194

■ 23, 88.613,
305.673

■ 42, 47.125,
299.636

■ 20, 94.687,
306.440

■ 47, 36.367,
298.225

■ 20, 96.337,
306.688

■ 53, 25.991,
296.982

■ 59, 16.015,
295.905

■ 64, 6.428, 294.979

■ 70, 2.792, 114.172

■ 75, 11.670,
113.495

■ 81, 20.229,
112.910

Harmonies

Complementary

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



31, 69.236, 302.829



65, 56.968, 109.557

Rectangle

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



31, 69.236, 302.829



31, 69.236, 352.829



31, 69.236, 122.829



31, 69.236, 172.829

Sweetspot

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



31, 69.236, 302.830



73, 23.699, 296.259



59, 28.659, 209.868



37, 16.386, 296.549



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



31, 69.236, 302.830



34, 102.639, 305.035



37, 68.250, 315.200



33, 5.342, 295.186



17, 88.516, 306.731



1, 9.586, 293.823

Inverse Universe

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



43, 64.773, 331.317



52, 88.798, 332.069



62, 63.615, 129.618



33, 5.971, 328.013



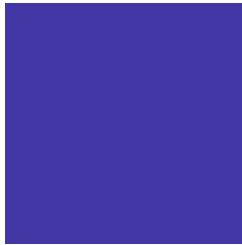
34, 70.857, 332.954



2, 10.545, 328.725

Previews

White Background



This preview shows how the CIELCh color 31, 69.236, 302.829 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 31, 69.236, 302.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

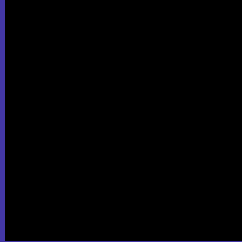
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 69.236, 302.829

Background



This preview shows how black text looks on a background with the CIELCh color 31, 69.236, 302.829.



This preview shows how white text looks on a background with the CIELCh color 31, 69.236, 302.829.

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

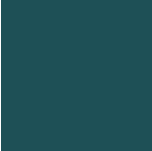
31, 69.236, 302.829

Protanopia

31, 50.475, 286.099

Deuteranopia

31, 35.452, 272.554



Tritanopia
31, 16.862, 210.426

Trichromacy



Original Color
31, 69.236, 302.829

Protanomaly
30, 57.784, 292.469

Deuteranomaly
30, 47.364, 287.235

Tritanomaly
30, 28.812, 278.607

Monochromacy



Original Color
31, 69.236, 302.829

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 25.775, 297.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 69.236, 302.829 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(67, 55, 166)` looks like.

```
.text, #text, p{  
    color:rgb(67, 55, 166)  
}
```

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(67, 55, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 55, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 69.236, 302.829 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(67, 55, 166) }
```

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

```
.border{ border-color:rgb(67, 55, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 55, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 55, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 55, 166);  
box-shadow:4px 4px 4px 4px rgb(67, 55,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 69.236, 302.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 55, 166) }
```

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

```
.background{ background-color: rgb(67, 55,  
166) }
```

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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