

Converting Colors

CIELCh(29, 61.382, 337.516)

Have a look what the booklet for
CIELCh(29, 61.382, 337.516)
contains.

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Color

CIELCh(29, 61.024, 337.284)

Conversions

Conversions Part 1

Format	Color
Hex	83006A
RGB	131, 0, 106
RGB Percent	51%, 0%, 42%
CMY	0.4871, 1.0000, 0.5850
CMYK	0.00, 1.00, 0.19, 0.49
HSL	311°, 100%, 26%
HSV	311°, 100%, 51%
XYZ	11.9174, 5.8380, 14.0860
YIQ	51.2530, 44.0500, 60.7380

Conversions

Conversions Part 2

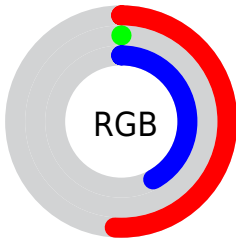
Format	Color
R_{YB}	131, 0, 106
Decimal	8585322
CIE _{Lab}	29.00, 56.29, -23.57
CIE _{LCh}	29, 61.024, 337.284
Yxy	5.8380, 0.3743, 0.1833
Android (android.graphics.Color)	4286775402 (0xFF83006A)
YUV	51.2530, 26.9903, 69.9381
Hunter-Lab	24.1619, 45.7582, -17.6516

Details

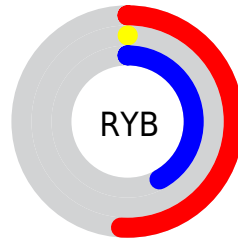
The CIELCh color **29, 61.024, 337.284** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **47, 68.152, 138.866**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 61.461, 337.261**, and **15, 40.845, 339.691** is the 20% darker color. If you saturate the color by 10%, you get **29, 60.953, 337.290**, and if you desaturate by 10%, it is **30, 59.401, 336.393**.

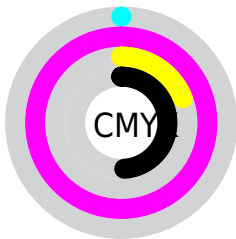
Distribution



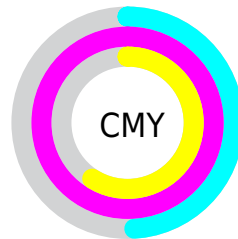
- Red (51%)
- Green (0%)
- Blue (42%)



- Red (51%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (49%)





- Cyan (49%)
- Magenta (100%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 61.024, 337.284 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 29, 61.024, 337.284 by changing the saturation by 10% instead.

 29, 61.024,
337.284


 29, 61.024,
337.284

 100, 61.024,
337.284


 19, 61.024,
337.284


 49, 61.024,
337.284

 9, 61.024, 337.284

 59, 61.024,
337.284

 0, 61.024, 337.284

 69, 61.024,
337.284

 79, 61.024,
337.284

 89, 61.024,
337.284

 99, 61.024,

337.284

■ 29, 61.024,
337.284

■ 29, 61.024,
337.284

■ 29, 60.953,
337.290

■ 30, 59.401,
336.393

■ 31, 56.701,
335.554

■ 33, 52.379,
334.787

■ 35, 46.664,
334.065

■ 38, 39.882,
333.373

■ 41, 32.371,
332.701

■ 44, 24.426,
332.047

■ 47, 16.280,
331.408

■ 51, 8.101, 330.781

Harmonies

Complementary

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



29, 61.024, 337.284



47, 68.152, 138.866

Rectangle

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



29, 61.024, 337.284



29, 61.024, 27.284



29, 61.024, 157.284



29, 61.024, 207.284

Sweetspot

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



29, 60.953, 337.290



57, 30.378, 332.092



15, 80.245, 307.313



28, 20.856, 332.327



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



29, 60.953, 337.290



39, 73.861, 337.546



27, 52.608, 17.795



26, 4.618, 330.726



29, 60.704, 337.284



0, 1.099, 330.212

Inverse Universe

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



29, 60.953, 337.290



39, 73.861, 337.546



48, 43.460, 161.249



26, 4.618, 330.726



29, 60.704, 337.284



0, 1.099, 330.212

Previews

White Background



This preview shows how the CIELCh color 29, 61.024, 337.284 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 CIE LCh color 29, 61.024, 337.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

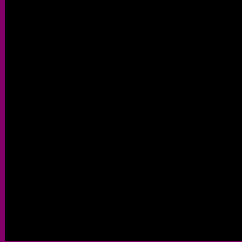
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 61.024, 337.284

Background



This preview shows how black text looks on a background with the CIELCh color 29, 61.024, 337.284.



This preview shows how white text looks on a background with the CIELCh color 29, 61.024, 337.284.

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

29, 61.024, 337.284

Protanopia

30, 49.959, 286.080

Deuteranopia

31, 18.011, 284.081



Tritanopia
30, 40.935, 26.991

Trichromacy



Original Color
29, 61.024, 337.284

Protanomaly
24, 57.309, 301.371

Deuteranomaly
26, 38.903, 319.988

Tritanomaly
29, 45.097, 2.973

Monochromacy



Original Color
29, 61.024, 337.284

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 31.507, 333.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 61.024, 337.284 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(131, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 106)  
}
```

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(131, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 61.024, 337.284 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(131, 0, 106) }
```

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

```
.border{ border-color:rgb(131, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(131, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 61.024, 337.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 106) }
```

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

```
.background{ background-color: rgb(131, 0,  
106) }
```

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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