

Converting Colors

CIELCh(30, 49.956, 336.946)

Have a look what the booklet for
CIELCh(30, 49.956, 336.946)
contains.

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Color

CIELCh(30, 49.956, 336.946)

Conversions

Conversions Part 1

Format	Color
Hex	7B2166
RGB	123, 33, 102
RGB Percent	48%, 13%, 40%
CMY	0.5182, 0.8712, 0.6005
CMYK	0.00, 0.73, 0.17, 0.52
HSL	314°, 58%, 31%
HSV	314°, 73%, 48%
XYZ	11.0787, 6.2359, 13.1554
YIQ	67.7760, 31.4910, 40.5390

Conversions

Conversions Part 2

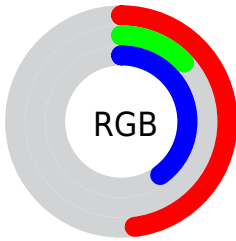
Format	Color
R_{YB}	123, 33, 102
Decimal	8069478
CIE _{Lab}	30.00, 45.97, -19.56
CIE _{LCh}	30, 49.956, 336.946
Yxy	6.2359, 0.3636, 0.2047
Android (android.graphics.Color)	4286259558 (0xFF7B2166)
YUV	67.7760, 16.8724, 48.4314
Hunter-Lab	24.9718, 35.4909, -13.7543

Details

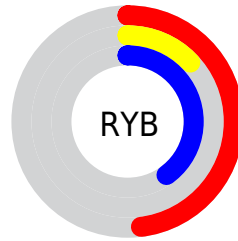
The CIELCh color **30, 49.956, 336.946** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **45, 51.397, 144.241**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 49.930, 336.992**, and **13, 39.240, 337.677** is the 20% darker color. If you saturate the color by 10%, you get **28, 53.522, 337.895**, and if you desaturate by 10%, it is **32, 45.013, 336.091**.

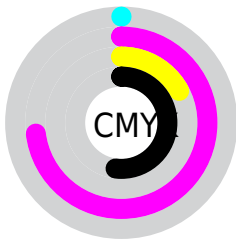
Distribution



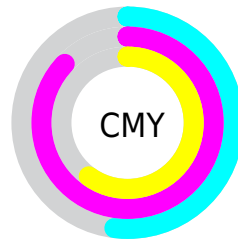
- Red (48%)
- Green (13%)
- Blue (40%)



- Red (48%)
- Yellow (13%)
- Blue (40%)



- Cyan (0%)
- Magenta (73%)
- Yellow (17%)
- Black (52%)




- Cyan (52%)
- Magenta (87%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 49.956, 336.946 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, 49.956, 336.946 by changing the saturation by 10% instead.


 30, 49.956,
336.946


 30, 49.956,
336.946

 100, 49.956,
336.946


 20, 49.956,
336.946


 50, 49.956,
336.946


 10, 49.956,
336.946

 60, 49.956,
336.946

 0, 49.956, 336.946

 70, 49.956,
336.946

 80, 49.956,
336.946

 90, 49.956,
336.946

■ 30, 49.956,
336.946

■ 30, 49.956,
336.946

■ 28, 53.522,
337.895

■ 32, 45.013,
336.091

■ 27, 55.555,
338.976

■ 34, 38.993,
335.300

■ 27, 56.584,
339.729

■ 37, 32.212,
334.556

■ 40, 24.962,
333.847

■ 44, 17.476,
333.168

■ 47, 9.925, 332.511

■ 50, 2.427, 331.822

■ 54, 4.942, 151.367

■ 58, 12.136,
150.777

Harmonies

Complementary

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



30, 49.956, 336.946



45, 51.397, 144.241

Rectangle

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



30, 49.956, 336.946



30, 49.956, 26.946



30, 49.956, 156.946



30, 49.956, 206.946

Sweetspot

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



30, 49.954, 336.946



57, 20.580, 333.120



21, 59.058, 305.601



28, 13.941, 333.265



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



30, 49.954, 336.946



37, 66.948, 338.627



28, 41.094, 9.324



24, 4.191, 332.237



27, 57.259, 339.754



57, 95.554, 340.540

Inverse Universe

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



30, 49.954, 336.946



37, 66.948, 338.627



46, 33.232, 168.765



24, 4.191, 332.237



27, 57.259, 339.754



57, 95.554, 340.540

Previews

White Background



This preview shows how the CIELCh color 30, 49.956, 336.946 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 30, 49.956, 336.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

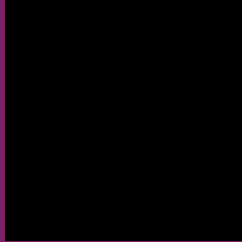
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 49.956, 336.946

Background



This preview shows how black text looks on a background with the CIELCh color 30, 49.956, 336.946.



This preview shows how white text looks on a background with the CIELCh color 30, 49.956, 336.946.

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, 49.956, 336.946

Protanopia

31, 40.303, 286.182

Deuteranopia

31, 16.050, 285.018



Tritanopia
30, 33.296, 23.339

Trichromacy



Original Color
30, 49.956, 336.946

Protanomaly
28, 42.724, 303.293

Deuteranomaly
29, 28.583, 317.629

Tritanomaly
30, 36.291, 1.496

Monochromacy



Original Color
30, 49.956, 336.946

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 21.214, 334.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 49.956, 336.946 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(123, 33, 102)` looks like.

```
.text, #text, p{  
    color:rgb(123, 33, 102)  
}
```

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(123, 33, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 33, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 49.956, 336.946 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(123, 33, 102) }
```

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

```
.border{ border-color:rgb(123, 33, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 33, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 33, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 33, 102);  
box-shadow:4px 4px 4px 4px rgb(123, 33,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 49.956, 336.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 33, 102) }
```

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

```
.background{ background-color: rgb(123, 33,  
102) }
```

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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