

Converting Colors

CIELCh(30, 50.624, 336.590)

Have a look what the booklet for
CIELCh(30, 50.624, 336.590)
contains.

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Color

CIELCh(30, 50.753, 336.374)

Conversions

Conversions Part 1

Format	Color
Hex	7B2067
RGB	123, 32, 103
RGB Percent	48%, 13%, 40%
CMY	0.5173, 0.8741, 0.5958
CMYK	0.00, 0.74, 0.16, 0.52
HSL	313°, 59%, 30%
HSV	313°, 74%, 48%
XYZ	11.1514, 6.2359, 13.4681
YIQ	67.3030, 31.4450, 41.3730

Conversions

Conversions Part 2

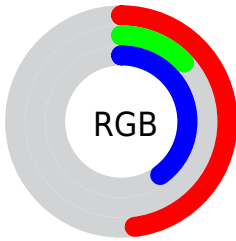
Format	Color
R_{YB}	123, 32, 103
Decimal	8069223
CIE _{Lab}	30.00, 46.50, -20.34
CIE _{LCh}	30, 50.753, 336.374
Yxy	6.2359, 0.3614, 0.2021
Android (android.graphics.Color)	4286259303 (0xFF7B2067)
YUV	67.3030, 17.5986, 48.8463
Hunter-Lab	24.9718, 36.0101, -14.4968

Details

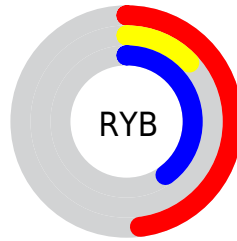
The CIELCh color **30, 50.753, 336.374** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **45, 52.343, 143.713**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 50.863, 336.431**, and **13, 39.619, 336.920** is the 20% darker color. If you saturate the color by 10%, you get **28, 54.261, 337.275**, and if you desaturate by 10%, it is **32, 45.844, 335.556**.

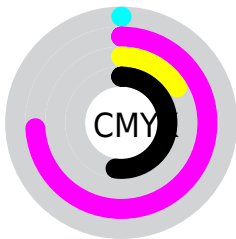
Distribution



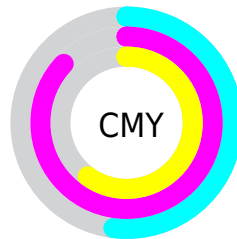
- Red (48%)
- Green (13%)
- Blue (40%)



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



- Cyan (0%)
- Magenta (74%)
- Yellow (16%)
- Black (52%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 50.753, 336.374 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, 50.753, 336.374 by changing the saturation by 10% instead.


 30, 50.753,
336.374

 30, 50.753,
336.374

 100, 50.753,
336.374


 20, 50.753,
336.374

 50, 50.753,
336.374


 10, 50.753,
336.374

 60, 50.753,
336.374

 0, 50.753, 336.374

 70, 50.753,
336.374

 80, 50.753,
336.374

 90, 50.753,
336.374

■ 30, 50.753,
336.374

■ 30, 50.753,
336.374

■ 28, 54.261,
337.275

■ 32, 45.844,
335.556

■ 27, 56.242,
338.289

■ 34, 39.827,
334.793

■ 27, 57.190,
338.920

■ 37, 33.022,
334.070

■ 40, 25.723,
333.377

■ 43, 18.169,
332.709

■ 47, 10.537,
332.061

■ 50, 2.951, 331.394

■ 54, 4.510, 150.930

■ 57, 11.799,
150.340

Harmonies

Complementary

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



30, 50.753, 336.374



45, 52.343, 143.713

Rectangle

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



30, 50.753, 336.374



30, 50.753, 26.374



30, 50.753, 156.374



30, 50.753, 206.374

Sweetspot

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



30, 50.751, 336.374



57, 20.772, 332.618



21, 59.676, 305.673



28, 14.071, 332.761



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, 50.751, 336.374



37, 67.764, 338.000



28, 41.457, 9.544



24, 4.231, 331.748



27, 57.798, 338.940



57, 96.488, 339.662

Inverse Universe

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



30, 50.751, 336.374



37, 67.764, 338.000



46, 33.484, 168.658



24, 4.231, 331.748



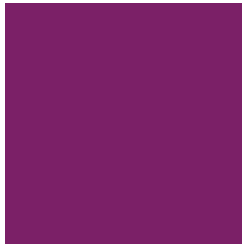
27, 57.798, 338.940



57, 96.488, 339.662

Previews

White Background



This preview shows how the CIE LCh color 30, 50.753, 336.374 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, 50.753, 336.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

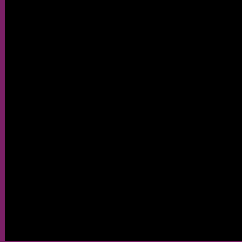
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 50.753, 336.374

Background



This preview shows how black text looks on a background with the CIELCh color 30, 50.753, 336.374.



This preview shows how white text looks on a background with the CIELCh color 30, 50.753, 336.374.

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, 50.753, 336.374

Protanopia
31, 41.559, 286.319

Deuteranopia
31, 17.304, 285.909



Tritanopia
30, 33.296, 23.339

Trichromacy



Original Color
30, 50.753, 336.374

Protanomaly
28, 43.325, 302.848

Deuteranomaly
29, 29.708, 316.641

Tritanomaly
30, 36.400, 0.525

Monochromacy



Original Color
30, 50.753, 336.374

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 21.696, 333.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 50.753, 336.374 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, 32, 103)` looks like.

```
.text, #text, p{  
    color:rgb(123, 32, 103)  
}
```

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, 32, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 32, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 50.753, 336.374 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, 32, 103) }
```

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

```
.border{ border-color:rgb(123, 32, 103) }
```

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

Here you see how a box with a 4 pixel rgb(123, 32, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 32, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 32, 103);  
box-shadow:4px 4px 4px 4px rgb(123, 32,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 50.753, 336.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 32, 103) }
```

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

```
.background{ background-color: rgb(123, 32,  
103) }
```

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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