

Converting Colors

CIELCh(30, 50.909, 323.153)

Have a look what the booklet for
CIELCh(30, 50.909, 323.153)
contains.

CIELCh(30, 50.842, 322.951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 50.842, 322.951)

Conversions

Conversions Part 1

Format	Color
Hex	6C2B77
RGB	108, 43, 119
RGB Percent	42%, 17%, 47%
CMY	0.5768, 0.8316, 0.5336
CMYK	0.09, 0.64, 0.00, 0.53
HSL	291°, 47%, 32%
HSV	291°, 64%, 47%
XYZ	10.3616, 6.2359, 18.0870
YIQ	71.0990, 14.3440, 37.4160

Conversions

Conversions Part 2

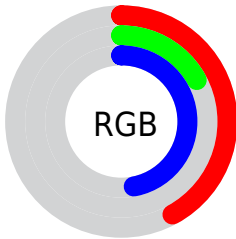
Format	Color
R_{YB}	108, 43, 119
Decimal	7089015
CIE _{Lab}	30.00, 40.58, -30.63
CIE _{LCh}	30, 50.842, 322.951
Yxy	6.2359, 0.2987, 0.1798
Android (android.graphics.Color)	4285279095 (0xFF6C2B77)
YUV	71.0990, 23.6152, 32.3622
Hunter-Lab	24.9718, 30.3645, -25.4634

Details

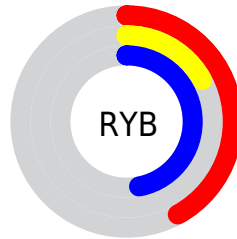
The CIELCh color **30, 50.842, 322.951** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **44, 50.383, 136.408**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 51.095, 323.017**, and **11, 46.207, 321.899** is the 20% darker color. If you saturate the color by 10%, you get **28, 56.860, 323.112**, and if you desaturate by 10%, it is **33, 43.817, 322.679**.

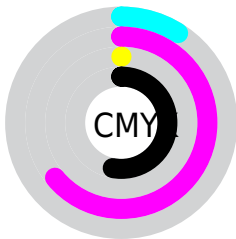
Distribution



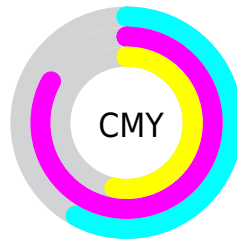
- Red (42%)
- Green (17%)
- Blue (47%)



- Red (42%)
- Yellow (17%)
- Blue (47%)



- Cyan (9%)
- Magenta (64%)
- Yellow (0%)
- Black (53%)





- Cyan (58%)
- Magenta (83%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 50.842, 322.951 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, 50.842, 322.951 by changing the saturation by 10% instead.


 30, 50.842,
322.951


 30, 50.842,
322.951

 100, 50.842,
322.951


 20, 50.842,
322.951


 50, 50.842,
322.951


 10, 50.842,
322.951

 60, 50.842,
322.951

 0, 50.842, 322.951

 70, 50.842,
322.951

 80, 50.842,
322.951

 90, 50.842,
322.951

■ 30, 50.842,
322.951

■ 30, 50.842,
322.951

■ 28, 56.860,
323.112

■ 33, 43.817,
322.679

■ 26, 61.556,
323.131

■ 35, 36.115,
322.327

■ 25, 64.750,
322.989

■ 39, 28.012,
321.923

■ 24, 66.479,
322.888

■ 42, 19.726,
321.488

■ 45, 11.414,
321.038

■ 49, 3.182, 320.560

■ 52, 4.904, 140.207

■ 56, 12.802,
139.773

■ 59, 20.491,
139.375

Harmonies

Complementary

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



30, 50.842, 322.951



44, 50.383, 136.408

Rectangle

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



30, 50.842, 322.951



30, 50.842, 12.951



30, 50.842, 142.951



30, 50.842, 192.951

Sweetspot

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



30, 50.841, 322.951



56, 19.499, 321.290



25, 42.227, 294.008



28, 13.539, 321.396



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



30, 50.841, 322.951



36, 72.187, 323.142



30, 41.038, 341.878



23, 4.553, 320.813



25, 67.868, 322.873



53, 115.168, 322.589

Inverse Universe

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



29, 35.838, 17.248



35, 53.438, 22.244



44, 40.788, 149.927



23, 2.798, 8.236



24, 54.900, 31.304



52, 95.927, 34.259

Previews

White Background



This preview shows how the CIELCh color 30, 50.842, 322.951 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, 50.842, 322.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

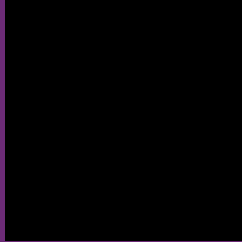
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 50.842, 322.951

Background



This preview shows how black text looks on a background with the CIELCh color 30, 50.842, 322.951.



This preview shows how white text looks on a background with the CIELCh color 30, 50.842, 322.951.

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





Tritanopia
30, 19.824, 14.173

Trichromacy



Original Color
30, 50.842, 322.951

Protanomaly
29, 48.049, 295.407

Deuteranomaly
29, 35.495, 300.560

Tritanomaly
30, 28.517, 342.352

Monochromacy



Original Color
30, 50.842, 322.951

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 19.764, 321.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 50.842, 322.951 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(108, 43, 119)` looks like.

```
.text, #text, p{  
    color:rgb(108, 43, 119)  
}
```

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(108, 43, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 43, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 50.842, 322.951 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(108, 43, 119) }
```

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

```
.border{ border-color:rgb(108, 43, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 43, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 43, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 43, 119);  
box-shadow:4px 4px 4px 4px rgb(108, 43,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 50.842, 322.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 43, 119) }
```

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

```
.background{ background-color: rgb(108, 43,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor