

Converting Colors

CIELCh(29, 45.550, 1.890)

Have a look what the booklet for
CIELCh(29, 45.550, 1.890) contains.

CIELCh(29, 45.547, 1.771)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(29, 45.547, 1.771)

Conversions

Conversions Part 1

Format	Color
Hex	811B44
RGB	129, 27, 68
RGB Percent	51%, 11%, 27%
CMY	0.4950, 0.8951, 0.7340
CMYK	0.00, 0.79, 0.47, 0.49
HSL	336°, 66%, 30%
HSV	336°, 79%, 51%
XYZ	10.4447, 5.8380, 6.0168
YIQ	62.1720, 47.6310, 34.3750

Conversions

Conversions Part 2

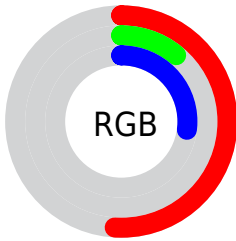
Format	Color
R_{YB}	129, 27, 68
Decimal	8461124
CIE Lab	29.00, 45.53, 1.41
CIE LCh	29, 45.547, 1.771
Yxy	5.8380, 0.4684, 0.2618
Android (android.graphics.Color)	4286651204 (0xFF811B44)
YUV	62.1720, 2.8732, 58.6082
Hunter-Lab	24.1619, 34.8782, 2.1489

Details

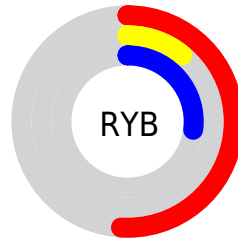
The CIELCh color **29, 45.547, 1.771** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 41.069, 159.491**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 45.418, 1.876**, and **13, 34.690, 11.565** is the 20% darker color. If you saturate the color by 10%, you get **28, 48.529, 5.303**, and if you desaturate by 10%, it is **31, 41.414, 358.966**.

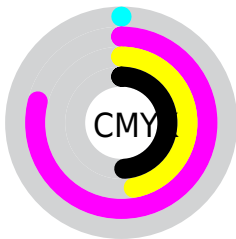
Distribution



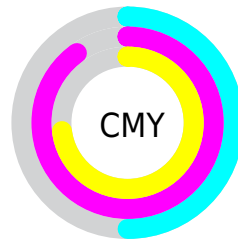
- Red (51%)
- Green (11%)
- Blue (27%)



- Red (51%)
- Yellow (11%)
- Blue (27%)



- Cyan (0%)
- Magenta (79%)
- Yellow (47%)
- Black (49%)



- Cyan (50%)
- Magenta (90%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 45.547, 1.771 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, 45.547, 1.771 by changing the saturation by 10% instead.

 29, 45.547, 1.771  29, 45.547, 1.771

 100, 45.547, 1.771  19, 45.547, 1.771

 49, 45.547, 1.771  9, 45.547, 1.771

 59, 45.547, 1.771  0, 45.547, 1.771

 69, 45.547, 1.771

 79, 45.547, 1.771

 89, 45.547, 1.771

 99, 45.547, 1.771

 29, 45.547, 1.771  29, 45.547, 1.771

 28, 48.529, 5.303  31, 41.414,

27, 50.763, 9.392

358.966

26, 50.952, 9.701

34, 36.326,
356.725

36, 30.563,
354.906

40, 24.406,
353.397

43, 18.087,
352.117

47, 11.772,
351.005

50, 5.568, 350.007

54, 0.459, 169.897

58, 6.277, 168.474

Harmonies

Complementary

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



29, 45.547, 1.771



48, 41.069, 159.491

Rectangle

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



29, 45.547, 1.771



29, 45.547, 51.771



29, 45.547, 181.771



29, 45.547, 231.771

Sweetspot

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



29, 45.545, 1.772



58, 18.408, 351.582



25, 64.052, 314.822



28, 12.624, 351.923



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 45.545, 1.772



36, 60.926, 8.743



29, 48.734, 35.855



25, 3.375, 349.994



26, 50.583, 9.646



0, 0.000, 0.000

Inverse Universe

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



29, 45.545, 1.772



36, 60.926, 8.743



46, 25.834, 208.241



25, 3.375, 349.994



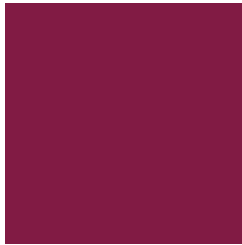
26, 50.583, 9.646



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 29, 45.547, 1.771 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, 45.547, 1.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

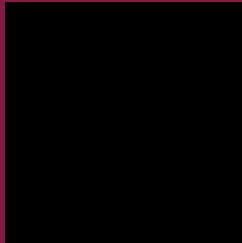
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 45.547, 1.771

Background



This preview shows how black text looks on a background with the CIELCh color 29, 45.547, 1.771.



This preview shows how white text looks on a background with the CIELCh color 29, 45.547, 1.771.

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, 45.547, 1.771

Protanopia

30, 14.823, 285.521

Deuteranopia

30, 6.147, 44.657



Tritanopia
29, 45.102, 28.904

Trichromacy



Original Color
29, 45.547, 1.771

Protanomaly
28, 23.313, 330.918

Deuteranomaly
28, 21.967, 2.181

Tritanomaly
29, 44.209, 19.294

Monochromacy



Original Color
29, 45.547, 1.771

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 19.229, 353.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 45.547, 1.771 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(129, 27, 68)` looks like.

```
.text, #text, p{  
    color:rgb(129, 27, 68)  
}
```

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(129, 27, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 27, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 45.547, 1.771 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(129, 27, 68) }
```

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

```
.border{ border-color:rgb(129, 27, 68) }
```

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

Here you see how a box with a 4 pixel rgb(129, 27, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 27, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 27, 68);  
box-shadow:4px 4px 4px 4px rgb(129, 27,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 45.547, 1.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 27, 68) }
```

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

```
.background{ background-color: rgb(129, 27,  
68) }
```

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