

Converting Colors

CIELCh(29, 44.103, 1.352)

Have a look what the booklet for
CIELCh(29, 44.103, 1.352) contains.

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Color

CIELCh(29, 43.905, 1.722)

Conversions

Conversions Part 1

Format	Color
Hex	7F1E44
RGB	127, 30, 68
RGB Percent	50%, 12%, 27%
CMY	0.5025, 0.8829, 0.7338
CMYK	0.00, 0.76, 0.46, 0.50
HSL	336°, 62%, 31%
HSV	336°, 76%, 50%
XYZ	10.2316, 5.8380, 6.0378
YIQ	63.3350, 45.6140, 32.3820

Conversions

Conversions Part 2

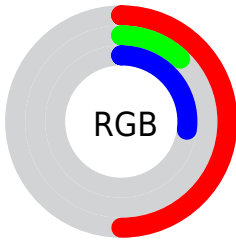
Format	Color
R_{YB}	127, 30, 68
Decimal	8330820
CIE Lab	29.00, 43.89, 1.32
CIE LCh	29, 43.905, 1.722
Yxy	5.8380, 0.4628, 0.2641
Android (android.graphics.Color)	4286520900 (0xFF7F1E44)
YUV	63.3350, 2.2998, 55.8342
Hunter-Lab	24.1619, 33.3038, 2.0975

Details

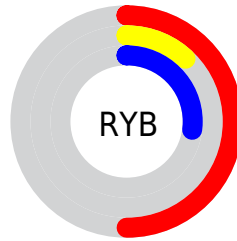
The CIELCh color **29, 43.905, 1.722** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 39.170, 160.658**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 44.242, 1.653**, and **13, 34.344, 11.032** is the 20% darker color. If you saturate the color by 10%, you get **27, 47.233, 5.091**, and if you desaturate by 10%, it is **31, 39.499, 359.047**.

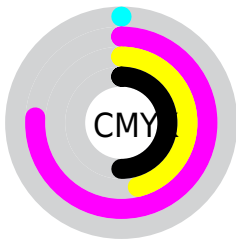
Distribution



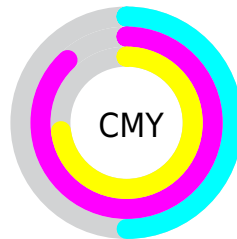
- Red (50%)
- Green (12%)
- Blue (27%)



- Red (50%)
- Yellow (12%)
- Blue (27%)



- Cyan (0%)
- Magenta (76%)
- Yellow (46%)
- Black (50%)




- Cyan (50%)
- Magenta (88%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 43.905, 1.722 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, 43.905, 1.722 by changing the saturation by 10% instead.

 29, 43.905, 1.722  29, 43.905, 1.722

 100, 43.905, 1.722  19, 43.905, 1.722

 49, 43.905, 1.722  9, 43.905, 1.722

 59, 43.905, 1.722  0, 43.905, 1.722

 69, 43.905, 1.722

 79, 43.905, 1.722

 89, 43.905, 1.722

 99, 43.905, 1.722

 29, 43.905, 1.722  29, 43.905, 1.722

 27, 47.233, 5.091  31, 39.499,

26, 49.594, 9.173

359.047

26, 50.460, 10.602

34, 34.243,
356.903

37, 28.416,
355.156

40, 22.283,
353.700

43, 16.051,
352.459

47, 9.865, 351.376

51, 3.816, 350.381

54, 2.044, 169.778

58, 7.691, 168.905

Harmonies

Complementary

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



29, 43.905, 1.722



47, 39.170, 160.658

Rectangle

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



29, 43.905, 1.722



29, 43.905, 51.722



29, 43.905, 181.722



29, 43.905, 231.722

Sweetspot

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



29, 43.903, 1.723



57, 17.305, 352.129



25, 61.529, 315.295



28, 12.111, 352.480



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, 43.903, 1.723



36, 59.598, 8.261



30, 45.847, 36.004



25, 3.354, 350.644



26, 50.646, 10.630



0, 0.000, 0.000

Inverse Universe

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



29, 43.903, 1.723



36, 59.598, 8.261



45, 24.831, 210.561



25, 3.354, 350.644



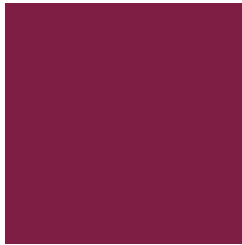
26, 50.646, 10.630



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 29, 43.905, 1.722 looks on a white background.

Color Contrast Check

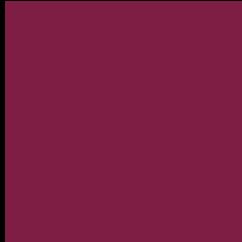
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 29, 43.905, 1.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

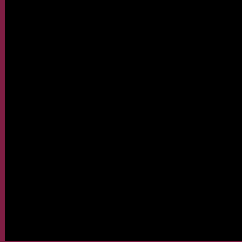
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 43.905, 1.722

Background



This preview shows how black text looks on a background with the CIELCh color 29, 43.905, 1.722.



This preview shows how white text looks on a background with the CIELCh color 29, 43.905, 1.722.

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, 43.905, 1.722

Protanopia

30, 14.192, 285.032

Deuteranopia

30, 6.147, 44.657



Tritanopia
29, 43.157, 28.160

Trichromacy



Original Color
29, 43.905, 1.722

Protanomaly
28, 22.348, 330.057

Deuteranomaly
28, 20.955, 2.620

Tritanomaly
29, 42.496, 17.985

Monochromacy



Original Color
29, 43.905, 1.722

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 18.138, 353.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 43.905, 1.722 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(127, 30, 68)` looks like.

```
.text, #text, p{  
    color:rgb(127, 30, 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(127, 30, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 30, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 43.905, 1.722 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(127, 30, 68) }
```

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

```
.border{ border-color:rgb(127, 30, 68) }
```

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

Here you see how a box with a 4 pixel rgb(127, 30, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 30, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 30, 68);  
box-shadow:4px 4px 4px 4px rgb(127, 30,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 43.905, 1.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 30, 68) }
```

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

```
.background{ background-color: rgb(127, 30,  
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](#).

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