

Converting Colors

CIELCh(29, 50.852, 6.960)

Have a look what the booklet for
CIELCh(29, 50.852, 6.960) contains.

CIELCh(29, 50.877, 7.065)	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, 50.877, 7.065)

Conversions

Conversions Part 1

Format	Color
Hex	880D3D
RGB	136, 13, 61
RGB Percent	53%, 5%, 24%
CMY	0.4673, 0.9500, 0.7613
CMYK	0.00, 0.91, 0.55, 0.47
HSL	337°, 83%, 29%
HSV	337°, 91%, 53%
XYZ	11.1079, 5.8380, 4.9392
YIQ	55.2490, 57.9000, 41.0040

Conversions

Conversions Part 2

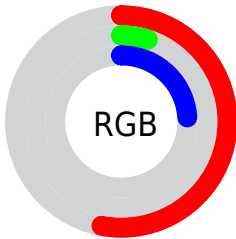
Format	Color
RYB	136, 13, 61
Decimal	8916285
CIELab	29.00, 50.49, 6.26
CIElCh	29, 50.877, 7.065
Yxy	5.8380, 0.5076, 0.2668
Android (android.graphics.Color)	4287106365 (0xFF880D3D)
YUV	55.2490, 2.8352, 70.8186
Hunter-Lab	24.1619, 39.7779, 4.7931

Details

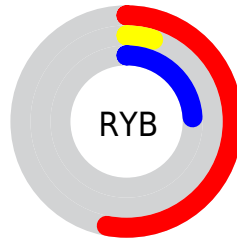
The CIELCh color **29, 50.877, 7.065** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 46.131, 157.886**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 50.845, 7.021**, and **14, 37.710, 20.644** is the 20% darker color. If you saturate the color by 10%, you get **28, 53.057, 11.078**, and if you desaturate by 10%, it is **30, 47.912, 3.289**.

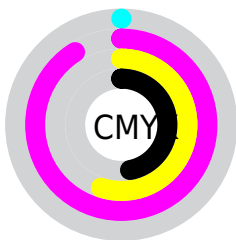
Distribution



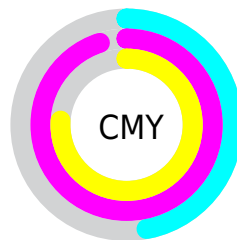
- Red (53%)
- Green (5%)
- Blue (24%)



- Red (53%)
- Yellow (5%)
- Blue (24%)



- Cyan (0%)
- Magenta (91%)
- Yellow (55%)
- Black (47%)




- Cyan (47%)
- Magenta (95%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 50.877, 7.065 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, 50.877, 7.065 by changing the saturation by 10% instead.

 29, 50.877, 7.065  29, 50.877, 7.065

 100, 50.877, 7.065  19, 50.877, 7.065

 49, 50.877, 7.065  9, 50.877, 7.065

 59, 50.877, 7.065  0, 50.877, 7.065

 69, 50.877, 7.065

 79, 50.877, 7.065

 89, 50.877, 7.065

 99, 50.877, 7.065

 29, 50.877, 7.065  29, 50.877, 7.065

 28, 53.057, 11.078  30, 47.912, 3.289

■ 32, 43.758, 0.286

■ 35, 38.575,
357.896

■ 38, 32.647,
355.968

■ 41, 26.275,
354.381

■ 45, 19.709,
353.043

■ 49, 13.133,
351.889

■ 52, 6.668, 350.863

■ 56, 0.385, 349.156

Harmonies

Complementary

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



29, 50.877, 7.065



50, 46.131, 157.886

Rectangle

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



29, 50.877, 7.065



29, 50.877, 57.065



29, 50.877, 187.065



29, 50.877, 237.065

Sweetspot

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



29, 50.874, 7.067



59, 21.411, 352.676



24, 72.674, 315.052



29, 14.579, 353.029



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



29, 50.874, 7.067



37, 64.287, 12.333



29, 58.146, 39.123



27, 3.575, 350.719



27, 52.125, 10.946



0, 1.636, 349.967

Inverse Universe

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



29, 50.874, 7.067



37, 64.287, 12.333



47, 27.547, 212.319



27, 3.575, 350.719



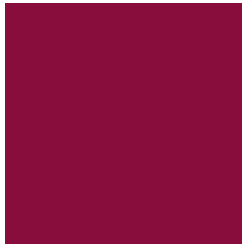
27, 52.125, 10.946



0, 1.636, 349.967

Previews

White Background



This preview shows how the CIE LCh color 29, 50.877, 7.065 looks on a white background.

Color Contrast Check

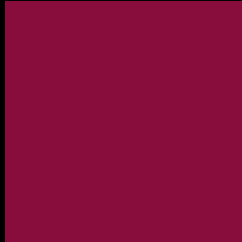
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.877, 7.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

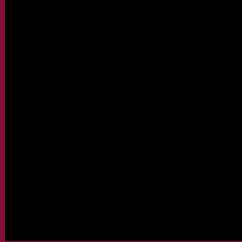
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 50.877, 7.065

Background



This preview shows how black text looks on a background with the CIELCh color 29, 50.877, 7.065.



This preview shows how white text looks on a background with the CIELCh color 29, 50.877, 7.065.

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, 50.877, 7.065

Protanopia
30, 10.925, 285.923

Deuteranopia
30, 11.104, 67.823



Tritanopia
29, 53.285, 33.167

Trichromacy



Original Color
29, 50.877, 7.065

Protanomaly
27, 25.728, 338.751

Deuteranomaly
27, 25.890, 12.665

Tritanomaly
29, 51.366, 23.928

Monochromacy



Original Color
29, 50.877, 7.065

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 22.719, 356.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 50.877, 7.065 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(136, 13, 61)` looks like.

```
.text, #text, p{  
    color:rgb(136, 13, 61)  
}
```

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(136, 13, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 13, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 50.877, 7.065 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(136, 13, 61) }
```

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

```
.border{ border-color:rgb(136, 13, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 13, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 13, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 13, 61);  
box-shadow:4px 4px 4px 4px rgb(136, 13,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 50.877, 7.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 13, 61) }
```

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

```
.background{ background-color: rgb(136, 13,  
61) }
```

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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