

Converting Colors

CIELCh(29, 38.794, 8.670)

Have a look what the booklet for
CIELCh(29, 38.794, 8.670) contains.

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Color

CIELCh(29, 38.770, 8.703)

Conversions

Conversions Part 1

Format	Color
Hex	7A263D
RGB	122, 38, 61
RGB Percent	48%, 15%, 24%
CMY	0.5222, 0.8516, 0.7613
CMYK	0.00, 0.69, 0.50, 0.52
HSL	344°, 53%, 31%
HSV	344°, 69%, 48%
XYZ	9.5305, 5.8380, 5.0210
YIQ	65.7380, 42.6810, 24.9610

Conversions

Conversions Part 2

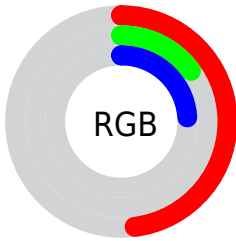
Format	Color
R_{YB}	122, 38, 61
Decimal	8005181
CIE _{Lab}	29.00, 38.32, 5.87
CIE _{LCh}	29, 38.770, 8.703
Yxy	5.8380, 0.4674, 0.2863
Android (android.graphics.Color)	4286195261 (0xFF7A263D)
YUV	65.7380, -2.3358, 49.3418
Hunter-Lab	24.1619, 28.1245, 4.5926

Details

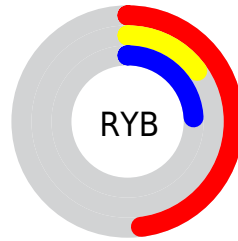
The CIELCh color **29, 38.770, 8.703** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **46, 31.357, 170.153**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 38.598, 9.054**, and **11, 33.054, 15.260** is the 20% darker color. If you saturate the color by 10%, you get **27, 43.326, 12.015**, and if you desaturate by 10%, it is **31, 33.549, 6.066**.

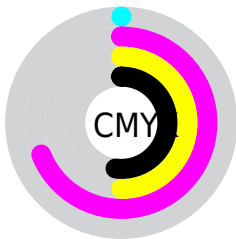
Distribution



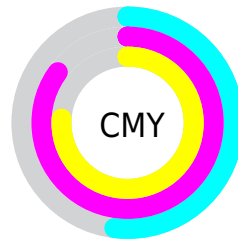
- Red (48%)
- Green (15%)
- Blue (24%)



- Red (48%)
- Yellow (15%)
- Blue (24%)



- Cyan (0%)
- Magenta (69%)
- Yellow (50%)
- Black (52%)




- Cyan (52%)
- Magenta (85%)
- Yellow (76%)


Brightness & Saturation Gradients



These gradients show how the CIELCh color 29, 38.770, 8.703 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, 38.770, 8.703 by changing the saturation by 10% instead.

 29, 38.770, 8.703  29, 38.770, 8.703

 100, 38.770, 8.703  19, 38.770, 8.703

 49, 38.770, 8.703  9, 38.770, 8.703

 59, 38.770, 8.703  0, 38.770, 8.703

 69, 38.770, 8.703

 79, 38.770, 8.703

 89, 38.770, 8.703

 99, 38.770, 8.703

 29, 38.770, 8.703  29, 38.770, 8.703

 27, 43.326, 12.015  31, 33.549, 6.066

26, 47.081, 16.125

34, 27.897, 3.951

25, 50.395, 20.695

37, 22.041, 2.230

24, 50.778, 21.151

41, 16.163, 0.803

44, 10.391,
359.592

48, 4.804, 358.524

52, 0.558, 178.302

55, 5.681, 176.962

59, 10.565,
176.226

Harmonies

Complementary

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



29, 38.770, 8.703



46, 31.357, 170.153

Rectangle

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



29, 38.770, 8.703



29, 38.770, 58.703



29, 38.770, 188.703



29, 38.770, 238.703

Sweetspot

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



29, 38.768, 8.705



56, 14.335, 359.887



28, 54.723, 318.724



27, 9.687, 0.144



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



29, 38.768, 8.705



35, 55.230, 14.414



32, 36.694, 42.216



24, 3.042, 358.539



25, 51.751, 21.313



53, 88.870, 24.623

Inverse Universe

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



29, 38.768, 8.705



35, 55.230, 14.414



41, 21.766, 228.372



24, 3.042, 358.539



25, 51.751, 21.313



53, 88.870, 24.623

Previews

White Background



This preview shows how the CIE LCh color 29, 38.770, 8.703 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, 38.770, 8.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

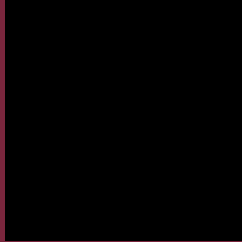
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 38.770, 8.703

Background



This preview shows how black text looks on a background with the CIELCh color 29, 38.770, 8.703.



This preview shows how white text looks on a background with the CIELCh color 29, 38.770, 8.703.

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, 38.770, 8.703

Protanopia

30, 5.790, 287.118

Deuteranopia

30, 9.326, 63.036



Tritanopia
29, 38.993, 25.804

Trichromacy



Original Color
29, 38.770, 8.703

Protanomaly
28, 16.003, 348.545

Deuteranomaly
28, 19.159, 19.386

Tritanomaly
29, 38.310, 19.782

Monochromacy



Original Color
29, 38.770, 8.703

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 14.688, 1.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 38.770, 8.703 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(122, 38, 61)` looks like.

```
.text, #text, p{  
    color:rgb(122, 38, 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(122, 38, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 38, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 38.770, 8.703 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(122, 38, 61) }
```

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

```
.border{ border-color:rgb(122, 38, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 38, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 38, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 38, 61);  
box-shadow:4px 4px 4px 4px rgb(122, 38,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 38.770, 8.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 38, 61) }
```

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

```
.background{ background-color: rgb(122, 38,  
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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