

Converting Colors

CIELCh(28, 39.935, 6.107)

Have a look what the booklet for
CIELCh(28, 39.935, 6.107) contains.

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Color

CIELCh(28, 40.027, 5.961)

Conversions

Conversions Part 1

Format	Color
Hex	78213D
RGB	120, 33, 61
RGB Percent	47%, 13%, 24%
CMY	0.5283, 0.8694, 0.7598
CMYK	0.00, 0.72, 0.49, 0.53
HSL	341°, 57%, 30%
HSV	341°, 72%, 47%
XYZ	9.1872, 5.4574, 5.0179
YIQ	62.2050, 42.8640, 27.1520

Conversions

Conversions Part 2

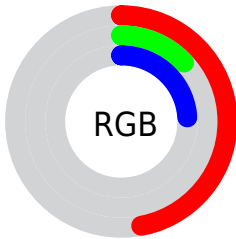
Format	Color
R_{YB}	120, 33, 61
Decimal	7872829
CIE Lab	28.00, 39.81, 4.16
CIE LCh	28, 40.027, 5.961
Yxy	5.4574, 0.4672, 0.2776
Android (android.graphics.Color)	4286062909 (0xFF78213D)
YUV	62.2050, -0.5941, 50.6862
Hunter-Lab	23.3610, 29.3167, 3.6174

Details

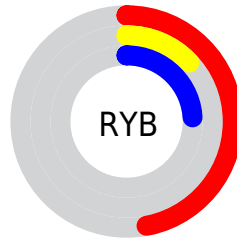
The CIELCh color **28, 40.027, 5.961** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **45, 33.630, 166.152**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 40.197, 5.955**, and **11, 32.302, 14.178** is the 20% darker color. If you saturate the color by 10%, you get **26, 44.014, 9.336**, and if you desaturate by 10%, it is **30, 35.227, 3.275**.

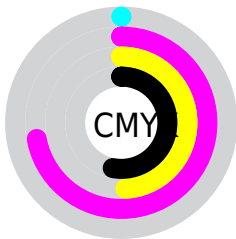
Distribution



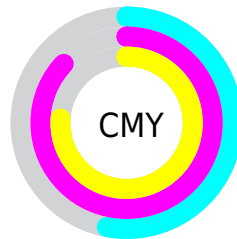
- Red (47%)
- Green (13%)
- Blue (24%)



- Red (47%)
- Yellow (13%)
- Blue (24%)



- Cyan (0%)
- Magenta (72%)
- Yellow (49%)
- Black (53%)



- Cyan (53%)
- Magenta (87%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 40.027, 5.961 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 28, 40.027, 5.961 by changing the saturation by 10% instead.

 28, 40.027, 5.961  28, 40.027, 5.961

 100, 40.027, 5.961  18, 40.027, 5.961

 48, 40.027, 5.961  8, 40.027, 5.961


 58, 40.027, 5.961  0, 40.027, 5.961

 68, 40.027, 5.961

 78, 40.027, 5.961

 88, 40.027, 5.961

 98, 40.027, 5.961

 28, 40.027, 5.961  28, 40.027, 5.961

 26, 44.014, 9.336  30, 35.227, 3.275

25, 47.094, 13.527

33, 29.843, 1.121

24, 49.353, 16.858

36, 24.121,
359.367

39, 18.271,
357.909

43, 12.450,
356.671

46, 6.757, 355.589

50, 1.252, 354.450

53, 4.037, 173.966

57, 9.102, 173.183

Harmonies

Complementary

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



28, 40.027, 5.961



45, 33.630, 166.152

Rectangle

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



28, 40.027, 5.961



28, 40.027, 55.961



28, 40.027, 185.961



28, 40.027, 235.961

Sweetspot

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



28, 40.025, 5.963



55, 15.148, 356.695



26, 56.305, 317.235



27, 10.290, 356.943



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



28, 40.025, 5.963



34, 55.670, 12.087



30, 39.565, 39.069



24, 3.114, 355.258



25, 50.762, 17.099



53, 86.691, 20.373

Inverse Universe

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



28, 40.025, 5.963



34, 55.670, 12.087



41, 22.340, 220.682



24, 3.114, 355.258



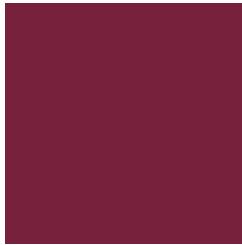
25, 50.762, 17.099



53, 86.691, 20.373

Previews

White Background



This preview shows how the CIE LCh color 28, 40.027, 5.961 looks on a white background.

Color Contrast Check

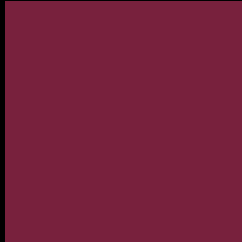
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 40.027, 5.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

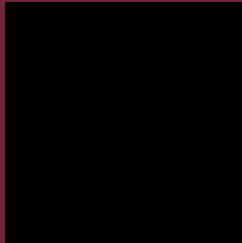
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 40.027, 5.961

Background



This preview shows how black text looks on a background with the CIELCh color 28, 40.027, 5.961.



This preview shows how white text looks on a background with the CIELCh color 28, 40.027, 5.961.

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
28, 40.027, 5.961

Protanopia
29, 8.413, 286.191

Deuteranopia
29, 8.100, 59.260



Tritanopia
28, 39.916, 27.221

Trichromacy



Original Color
28, 40.027, 5.961

Protanomaly
27, 17.471, 341.318

Deuteranomaly
27, 19.193, 11.975

Tritanomaly
28, 39.138, 19.015

Monochromacy



Original Color
28, 40.027, 5.961

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 15.608, 358.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 40.027, 5.961 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(120, 33, 61)` looks like.

```
.text, #text, p{  
    color:rgb(120, 33, 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(120, 33, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 33, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 40.027, 5.961 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(120, 33, 61) }
```

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

```
.border{ border-color:rgb(120, 33, 61) }
```

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

Here you see how a box with a 4 pixel rgb(120, 33, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 33, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 33, 61);  
box-shadow:4px 4px 4px 4px rgb(120, 33,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 40.027, 5.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 33, 61) }
```

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

```
.background{ background-color: rgb(120, 33,  
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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