

Converting Colors

CIELCh(28, 45.436, 3.897)

Have a look what the booklet for
CIELCh(28, 45.436, 3.897) contains.

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Color

CIELCh(28, 45.243, 3.913)

Conversions

Conversions Part 1

Format	Color
Hex	7E183F
RGB	126, 24, 63
RGB Percent	49%, 9%, 25%
CMY	0.5056, 0.9055, 0.7527
CMYK	0.00, 0.81, 0.50, 0.51
HSL	337°, 68%, 29%
HSV	337°, 81%, 49%
XYZ	9.8420, 5.4574, 5.2458
YIQ	58.9440, 48.2730, 33.7530

Conversions

Conversions Part 2

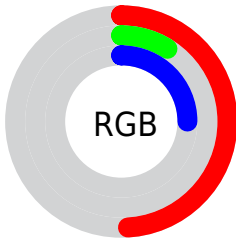
Format	Color
R_{YB}	126, 24, 63
Decimal	8263743
CIE _{Lab}	28.00, 45.14, 3.09
CIE _{LCh}	28, 45.243, 3.913
Yxy	5.4574, 0.4790, 0.2656
Android (android.graphics.Color)	4286453823 (0xFF7E183F)
YUV	58.9440, 1.9996, 58.8081
Hunter-Lab	23.3610, 34.3200, 3.0390

Details

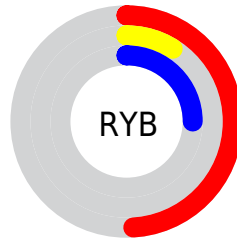
The CIELCh color **28, 45.243, 3.913** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 40.114, 160.491**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 45.264, 4.229**, and **12, 33.979, 14.678** is the 20% darker color. If you saturate the color by 10%, you get **27, 48.119, 7.694**, and if you desaturate by 10%, it is **30, 41.270, 0.904**.

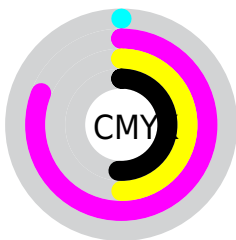
Distribution



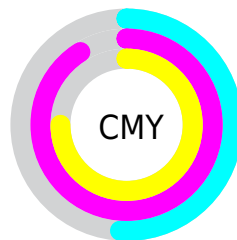
- Red (49%)
- Green (9%)
- Blue (25%)



- Red (49%)
- Yellow (9%)
- Blue (25%)



- Cyan (0%)
- Magenta (81%)
- Yellow (50%)
- Black (51%)



- Cyan (51%)
- Magenta (91%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 45.243, 3.913 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, 45.243, 3.913 by changing the saturation by 10% instead.

 28, 45.243, 3.913

 28, 45.243, 3.913

 100, 45.243, 3.913

 18, 45.243, 3.913

 48, 45.243, 3.913

 8, 45.243, 3.913

 58, 45.243, 3.913

 0, 45.243, 3.913

 68, 45.243, 3.913

 78, 45.243, 3.913

 88, 45.243, 3.913

 98, 45.243, 3.913

 28, 45.243, 3.913

 28, 45.243, 3.913

 27, 48.119, 7.694

 30, 41.270, 0.904

26, 50.306, 11.501

32, 36.360,
358.505

35, 30.773,
356.568

38, 24.784,
354.973

42, 18.623,
353.630

45, 12.458,
352.473

49, 6.401, 351.445

52, 0.518, 349.989

56, 5.159, 169.871

Harmonies

Complementary

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



28, 45.243, 3.913



47, 40.114, 160.491

Rectangle

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



28, 45.243, 3.913



28, 45.243, 53.913



28, 45.243, 183.913



28, 45.243, 233.913

Sweetspot

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



28, 45.241, 3.915



56, 17.757, 352.880



24, 63.791, 315.763



27, 12.176, 353.220



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



28, 45.241, 3.915



35, 60.111, 11.465



29, 48.188, 37.711



25, 3.334, 351.269



26, 50.722, 11.566



0, 0.000, 0.000

Inverse Universe

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



28, 45.241, 3.915



35, 60.111, 11.465



44, 24.945, 213.749



25, 3.334, 351.269



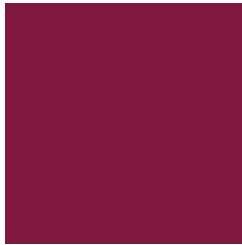
26, 50.722, 11.566



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 28, 45.243, 3.913 looks on a white background.

Color Contrast Check

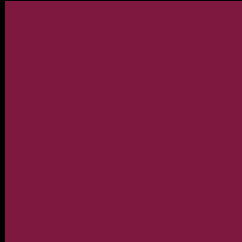
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.243, 3.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

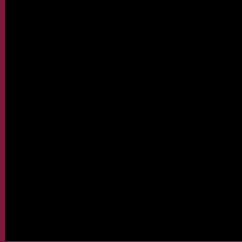
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 45.243, 3.913

Background



This preview shows how black text looks on a background with the CIELCh color 28, 45.243, 3.913.



This preview shows how white text looks on a background with the CIELCh color 28, 45.243, 3.913.

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, 45.243, 3.913

Protanopia

29, 12.314, 285.177

Deuteranopia

29, 7.676, 55.818



Tritanopia
28, 45.529, 29.957

Trichromacy



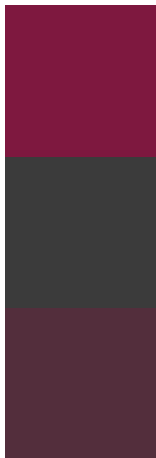
Original Color
28, 45.243, 3.913

Protanomaly
26, 22.755, 334.066

Deuteranomaly
27, 21.773, 7.278

Tritanomaly
28, 44.019, 20.272

Monochromacy



Original Color
28, 45.243, 3.913

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 19.119, 355.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 45.243, 3.913 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(126, 24, 63)` looks like.

```
.text, #text, p{  
    color:rgb(126, 24, 63)  
}
```

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(126, 24, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 24, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 45.243, 3.913 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(126, 24, 63) }
```

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

```
.border{ border-color:rgb(126, 24, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 24, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 24, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 24, 63);  
box-shadow:4px 4px 4px 4px rgb(126, 24,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 45.243, 3.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 24, 63) }
```

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

```
.background{ background-color: rgb(126, 24,  
63) }
```

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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