

Converting Colors

CIELCh(28, 38.387, 22.688)

Have a look what the booklet for
CIELCh(28, 38.387, 22.688) contains.

CIELCh(28, 38.462, 22.658)	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(28, 38.462, 22.658)

Conversions

Conversions Part 1

Format	Color
Hex	76262D
RGB	118, 38, 45
RGB Percent	46%, 15%, 18%
CMY	0.5364, 0.8502, 0.8228
CMYK	0.00, 0.68, 0.62, 0.54
HSL	355°, 51%, 31%
HSV	355°, 68%, 46%
XYZ	8.6783, 5.4574, 3.0962
YIQ	62.7180, 45.4330, 19.1370

Conversions

Conversions Part 2

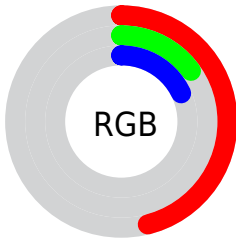
Format	Color
R_{YB}	118, 38, 45
Decimal	7743021
CIE Lab	28.00, 35.49, 14.82
CIE LCh	28, 38.462, 22.658
Yxy	5.4574, 0.5036, 0.3167
Android (android.graphics.Color)	4285933101 (0xFF76262D)
YUV	62.7180, -8.7350, 48.4823
Hunter-Lab	23.3610, 25.4288, 8.4946

Details

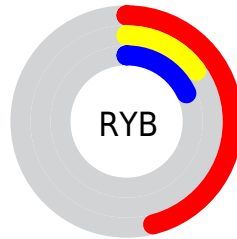
The CIELCh color **28, 38.462, 22.658** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **45, 25.792, 187.239**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 38.169, 22.367**, and **10, 33.942, 27.653** is the 20% darker color. If you saturate the color by 10%, you get **26, 44.210, 26.003**, and if you desaturate by 10%, it is **30, 32.438, 19.959**.

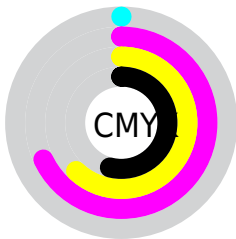
Distribution



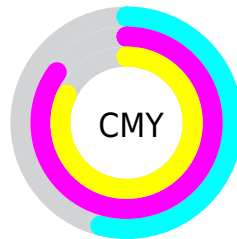
- Red (46%)
- Green (15%)
- Blue (18%)



- Red (46%)
- Yellow (15%)
- Blue (18%)



- Cyan (0%)
- Magenta (68%)
- Yellow (62%)
- Black (54%)



- Cyan (54%)
- Magenta (85%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 38.462, 22.658 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, 38.462, 22.658 by changing the saturation by 10% instead.

 28, 38.462, 22.658

 28, 38.462, 22.658

 100, 38.462,
22.658

 18, 38.462, 22.658

 48, 38.462, 22.658

 8, 38.462, 22.658

 58, 38.462, 22.658

 0, 38.462, 22.658

 68, 38.462, 22.658

 78, 38.462, 22.658

 88, 38.462, 22.658

 98, 38.462, 22.658

 28, 38.462, 22.658

 28, 38.462, 22.658

26, 44.210, 26.003

30, 32.438, 19.959

25, 49.505, 29.952

33, 26.335, 17.814

24, 54.158, 33.664

36, 20.318, 16.114

23, 55.088, 34.133

40, 14.511, 14.753

43, 8.988, 13.645

47, 3.781, 12.694

51, 1.103, 192.380

54, 5.678, 191.485

58, 9.966, 190.921

Harmonies

Complementary

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



28, 38.462, 22.658



45, 25.792, 187.239

Rectangle

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



28, 38.462, 22.658



28, 38.462, 72.658



28, 38.462, 202.658



28, 38.462, 252.658

Sweetspot

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



28, 38.460, 22.661



54, 12.669, 13.936



30, 53.182, 324.439



27, 8.651, 14.174



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



28, 38.460, 22.661



34, 56.766, 28.039



35, 32.625, 57.792



23, 2.765, 12.820



24, 56.683, 34.456



52, 99.326, 37.248

Inverse Universe

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



28, 38.460, 22.661



34, 56.766, 28.039



35, 23.603, 257.012



23, 2.765, 12.820



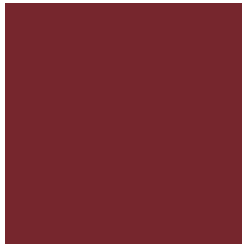
24, 56.683, 34.456



52, 99.326, 37.248

Previews

White Background



This preview shows how the CIELCh color 28, 38.462, 22.658 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, 38.462, 22.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

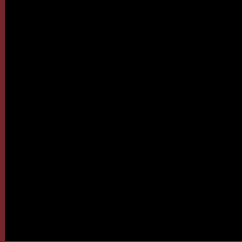
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 38.462, 22.658

Background



This preview shows how black text looks on a background with the CIELCh color 28, 38.462, 22.658.



This preview shows how white text looks on a background with the CIELCh color 28, 38.462, 22.658.

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, 38.462, 22.658

Protanopia

29, 6.075, 91.086

Deuteranopia

28, 17.270, 77.120



Tritanopia
28, 38.919, 26.839

Trichromacy



Original Color
28, 38.462, 22.658

Protanomaly
27, 15.492, 31.568

Deuteranomaly
28, 22.297, 42.598

Tritanomaly
28, 38.497, 25.066

Monochromacy



Original Color
28, 38.462, 22.658

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 13.908, 14.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 38.462, 22.658 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(118, 38, 45)` looks like.

```
.text, #text, p{  
    color:rgb(118, 38, 45)  
}
```

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(118, 38, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 38, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 38.462, 22.658 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(118, 38, 45) }
```

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

```
.border{ border-color:rgb(118, 38, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 38, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 38, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 38, 45);  
box-shadow:4px 4px 4px 4px rgb(118, 38,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 38.462, 22.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 38, 45) }
```

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

```
.background{ background-color: rgb(118, 38,  
45) }
```

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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