

Converting Colors

CIELCh(28, 30.279, 39.288)

Have a look what the booklet for
CIELCh(28, 30.279, 39.288) contains.

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Color

CIELCh(28, 30.095, 38.906)

Conversions

Conversions Part 1

Format	Color
Hex	693226
RGB	105, 50, 38
RGB Percent	41%, 20%, 15%
CMY	0.5873, 0.8031, 0.8502
CMYK	0.00, 0.52, 0.64, 0.59
HSL	11°, 47%, 28%
HSV	11°, 64%, 41%
XYZ	7.3557, 5.4574, 2.5154
YIQ	65.0770, 36.6320, 7.9280

Conversions

Conversions Part 2

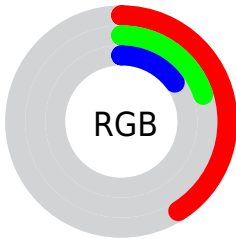
Format	Color
R_{YB}	105, 53, 38
Decimal	6894118
CIE Lab	28.00, 23.42, 18.90
CIE LCh	28, 30.095, 38.906
Yxy	5.4574, 0.4799, 0.3560
Android (android.graphics.Color)	4285084198 (0xFF693226)
YUV	65.0770, -13.3490, 35.0125
Hunter-Lab	23.3610, 15.3224, 9.9687




Details

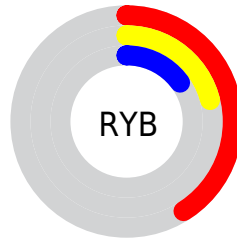
The CIELCh color **28, 30.095, 38.906** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **37, 18.658, 221.191**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 30.242, 39.255**, and **8, 26.909, 27.986** is the 20% darker color. If you saturate the color by 10%, you get **26, 35.899, 39.924**, and if you desaturate by 10%, it is **30, 24.496, 38.123**.

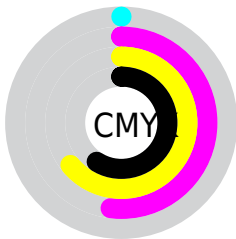
Distribution







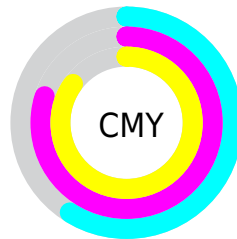
-  Red (41%)
-  Green (20%)
-  Blue (15%)






-  Red (41%)
-  Yellow (21%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (52%)
-  Yellow (64%)
-  Black (59%)



-  Cyan (59%)
-  Magenta (80%)
-  Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 30.095, 38.906 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, 30.095, 38.906 by changing the saturation by 10% instead.

■ 28, 30.095, 38.906

■ 28, 30.095, 38.906

■ 100, 30.095,
38.906

■ 18, 30.095, 38.906

■ 48, 30.095, 38.906

■ 8, 30.095, 38.906

■ 58, 30.095, 38.906

■ 0, 30.095, 38.906

■ 68, 30.095, 38.906

■ 78, 30.095, 38.906

■ 88, 30.095, 38.906

■ 98, 30.095, 38.906

■ 28, 30.095, 38.906

■ 28, 30.095, 38.906

26, 35.899, 39.924

30, 24.496, 38.123

24, 41.713, 41.084

33, 19.197, 37.567

23, 46.584, 41.402

35, 14.239, 37.211

22, 49.212, 41.618

38, 9.627, 37.018

41, 5.353, 36.941

43, 1.393, 36.814

46, 2.278, 217.346

49, 5.689, 217.449

52, 8.869, 217.664

Harmonies

Complementary

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



28, 30.095, 38.906



37, 18.658, 221.191

Rectangle

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



28, 30.095, 38.906



28, 30.095, 88.906



28, 30.095, 218.906



28, 30.095, 268.906

Sweetspot

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



28, 30.094, 38.909



51, 9.463, 36.975



27, 41.812, 333.235



25, 6.518, 36.994



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



28, 30.094, 38.909



34, 46.685, 40.433



37, 29.455, 83.044



21, 2.185, 36.920



25, 54.227, 42.278



53, 97.550, 42.515

Inverse Universe

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



37, 18.658, 221.191



46, 25.282, 223.699



26, 29.573, 283.081



22, 2.072, 217.355



37, 24.545, 229.501



75, 42.318, 231.720

Previews

White Background



This preview shows how the CIE LCh color 28, 30.095, 38.906 looks on a white background.

Color Contrast Check

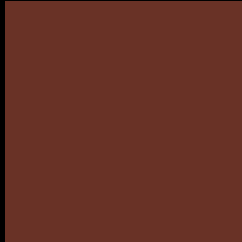
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.095, 38.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

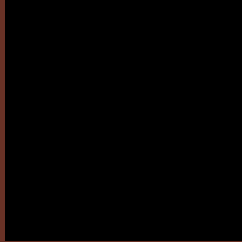
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 30.095, 38.906

Background



This preview shows how black text looks on a background with the CIELCh color 28, 30.095, 38.906.

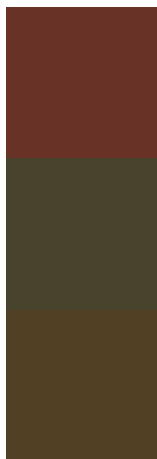


This preview shows how white text looks on a background with the CIELCh color 28, 30.095, 38.906.

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, 30.095, 38.906

Protanopia

28, 14.887, 97.666

Deuteranopia

28, 20.345, 79.328



Tritanopia
28, 28.085, 20.467

Trichromacy



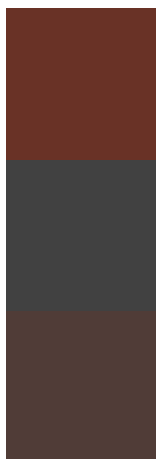
Original Color
28, 30.095, 38.906

Protanomaly
28, 17.262, 64.855

Deuteranomaly
28, 22.004, 60.170

Tritanomaly
28, 28.500, 27.719

Monochromacy



Original Color
28, 30.095, 38.906

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 10.243, 39.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 30.095, 38.906 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(105, 50, 38)` looks like.

```
.text, #text, p{  
    color:rgb(105, 50, 38)  
}
```

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(105, 50, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 50, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 30.095, 38.906 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(105, 50, 38) }
```

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

```
.border{ border-color:rgb(105, 50, 38) }
```

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

Here you see how a box with a 4 pixel rgb(105, 50, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 50, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 50, 38);  
box-shadow:4px 4px 4px 4px rgb(105, 50,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 30.095, 38.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 50, 38) }
```

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

```
.background{ background-color: rgb(105, 50,  
38) }
```

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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