

Converting Colors

CIELCh(28, 58.370, 43.511)

Have a look what the booklet for
CIELCh(28, 58.370, 43.511) contains.

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Color

CIELCh(28, 58.404, 43.517)

Conversions

Conversions Part 1

Format	Color
Hex	811A00
RGB	129, 26, 0
RGB Percent	51%, 10%, 0%
CMY	0.4925, 0.8964, 0.9985
CMYK	0.00, 0.80, 1.00, 0.49
HSL	12°, 99%, 25%
HSV	12°, 100%, 51%
XYZ	9.4959, 5.4574, 0.5635
YIQ	53.8330, 69.7340, 13.7500

Conversions

Conversions Part 2

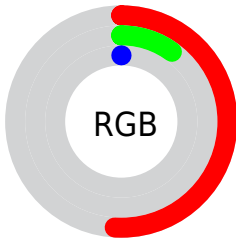
Format	Color
RYB	129, 33, 0
Decimal	8460800
CIELab	28.00, 42.35, 40.22
CIELCh	28, 58.404, 43.517
Yxy	5.4574, 0.6120, 0.3517
Android (android.graphics.Color)	4286650880 (0xFF811A00)
YUV	53.8330, -26.5397, 65.9215
Hunter-Lab	23.3610, 31.6759, 14.9225

Details

The CIELCh color **28, 58.404, 43.517** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **40, 26.491, 234.607**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 58.466, 43.459**, and **11, 36.236, 29.375** is the 20% darker color. If you saturate the color by 10%, you get **28, 58.552, 43.542**, and if you desaturate by 10%, it is **30, 52.864, 42.999**.

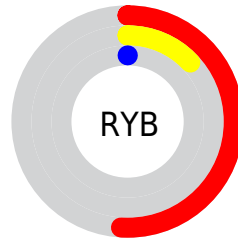
Distribution



Red (51%)

Green (10%)

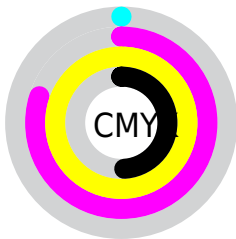
Blue (0%)



Red (51%)

Yellow (13%)

Blue (0%)

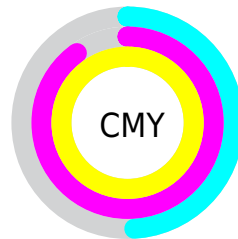


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (90%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 58.404, 43.517 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, 58.404, 43.517 by changing the saturation by 10% instead.

■ 28, 58.404, 43.517

■ 28, 58.404, 43.517

■ 100, 58.404,
43.517

■ 18, 58.404, 43.517

■ 48, 58.404, 43.517

■ 8, 58.404, 43.517

■ 58, 58.404, 43.517

■ 0, 58.404, 43.517

■ 68, 58.404, 43.517

■ 78, 58.404, 43.517

■ 88, 58.404, 43.517

■ 98, 58.404, 43.517

■ 28, 58.404, 43.517

■ 28, 58.404, 43.517

28, 58.552, 43.542

30, 52.864, 42.999

31, 46.323, 42.157

34, 39.452, 41.239

36, 32.685, 40.471

39, 26.218, 39.916

42, 20.138, 39.569

45, 14.475, 39.400

48, 9.225, 39.372

51, 4.369, 39.429

Harmonies

Complementary

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



28, 58.404, 43.517



40, 26.491, 234.607

Rectangle

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



28, 58.404, 43.517



28, 58.404, 93.517



28, 58.404, 223.517



28, 58.404, 273.517

Sweetspot

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



28, 58.402, 43.519



57, 18.188, 39.410



29, 60.050, 337.775



28, 12.527, 39.456



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



28, 58.402, 43.519



37, 72.467, 43.734



41, 50.070, 79.653



25, 2.498, 39.432



28, 57.814, 43.495



0, 0.000, 0.000

Inverse Universe

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



40, 26.491, 234.607



52, 32.195, 235.687



20, 60.154, 297.219



26, 2.367, 220.056



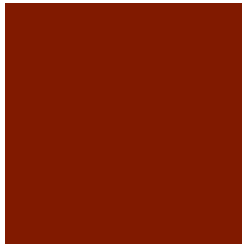
40, 26.230, 234.636



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 28, 58.404, 43.517 looks on a white background.

Color Contrast Check

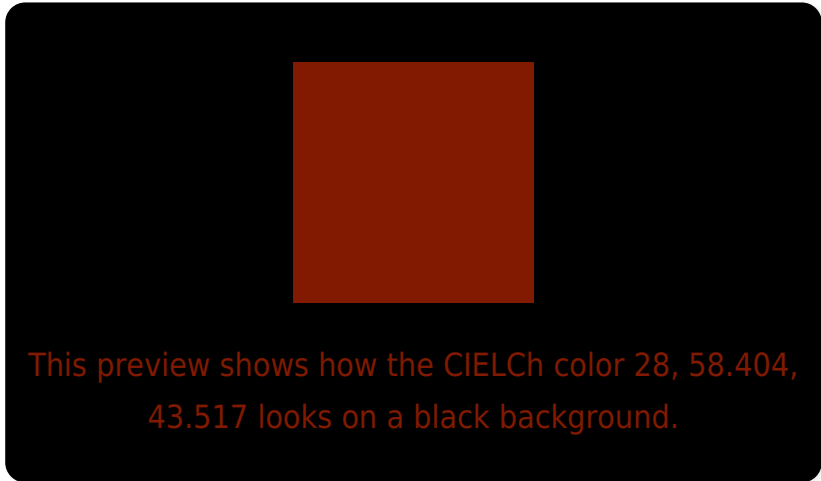
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

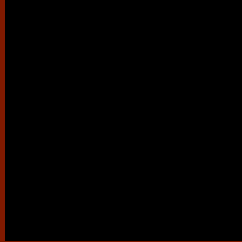
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 58.404, 43.517

Background



This preview shows how black text looks on a background with the CIELCh color 28, 58.404, 43.517.



This preview shows how white text looks on a background with the CIELCh color 28, 58.404, 43.517.

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, 58.404, 43.517

Protanopia

29, 31.767, 95.356

Deuteranopia

29, 38.181, 85.577



Tritanopia
28, 52.089, 33.145

Trichromacy



Original Color
28, 58.404, 43.517

Protanomaly
27, 36.565, 64.264

Deuteranomaly
27, 42.520, 62.501

Tritanomaly
28, 54.599, 38.031

Monochromacy



Original Color
28, 58.404, 43.517

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 21.074, 41.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 58.404, 43.517 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(129, 26, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 26, 0)  
}
```

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(129, 26, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 26, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 58.404, 43.517 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(129, 26, 0) }
```

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

```
.border{ border-color:rgb(129, 26, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 26, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 26, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 26, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 26, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 58.404, 43.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 26, 0) }
```

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

```
.background{ background-color: rgb(129, 26,  
0) }
```

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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