

Converting Colors

CIELCh(25, 70.501, 32.026)

Have a look what the booklet for
CIELCh(25, 70.501, 32.026) contains.

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Color

CIELCh(28, 64.529, 38.082)

Conversions

Conversions Part 1

Format	Color
Hex	8A0103
RGB	138, 1, 3
RGB Percent	54%, 0%, 1%
CMY	0.4573, 0.9974, 0.9869
CMYK	0.00, 1.00, 0.98, 0.46
HSL	359°, 99%, 27%
HSV	359°, 100%, 54%
XYZ	10.5704, 5.4574, 0.5925
YIQ	42.1910, 81.0100, 29.6660

Conversions

Conversions Part 2

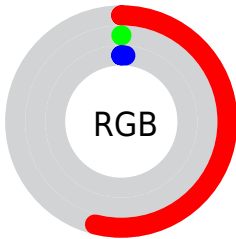
Format	Color
R_{YB}	138, 1, 3
Decimal	9044227
CIE Lab	28.00, 50.79, 39.80
CIE LCh	28, 64.529, 38.082
Yxy	5.4574, 0.6360, 0.3284
Android (android.graphics.Color)	4287234307 (0xFF8A0103)
YUV	42.1910, -19.3212, 84.0245
Hunter-Lab	23.3610, 39.8858, 14.8489

Details

The CIELCh color **28, 64.529, 38.082** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **52, 32.237, 193.506**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 64.323, 38.056**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 64.746, 38.187**, and if you desaturate by 10%, it is **29, 59.646, 35.333**.

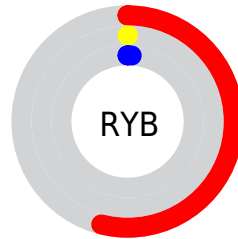
Distribution



Red (54%)

Green (0%)

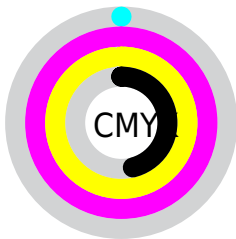
Blue (1%)



Red (54%)

Yellow (0%)

Blue (1%)

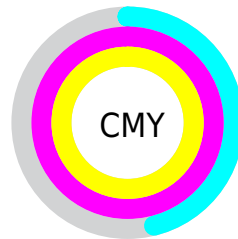


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (46%)



Cyan (46%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 64.529, 38.082 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, 64.529, 38.082 by changing the saturation by 10% instead.

 28, 64.529, 38.082

 28, 64.529, 38.082

 100, 64.529,
38.082

 18, 64.529, 38.082

 48, 64.529, 38.082

 8, 64.529, 38.082

 58, 64.529, 38.082

 0, 64.529, 38.082

 68, 64.529, 38.082

 78, 64.529, 38.082

 88, 64.529, 38.082

 98, 64.529, 38.082

 28, 64.529, 38.082

 28, 64.529, 38.082

28, 64.746, 38.187

29, 59.646, 35.333

30, 53.365, 31.674

32, 46.388, 28.315

35, 39.110, 25.525

38, 31.794, 23.312

42, 24.645, 21.586

46, 17.808, 20.243

50, 11.363, 19.188

54, 5.343, 18.326

Harmonies

Complementary

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



28, 64.529, 38.082



52, 32.237, 193.506

Rectangle

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



28, 64.529, 38.082



28, 64.529, 88.082



28, 64.529, 218.082



28, 64.529, 268.082

Sweetspot

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



28, 64.527, 38.084



59, 22.620, 20.379



32, 73.354, 326.950



29, 15.752, 20.855



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



28, 64.527, 38.084



38, 79.963, 39.180



36, 54.338, 58.950



27, 3.148, 18.296



27, 62.518, 37.886



0, 1.415, 17.774

Inverse Universe

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



28, 64.527, 38.084



38, 79.963, 39.180



31, 41.721, 279.195



27, 3.148, 18.296



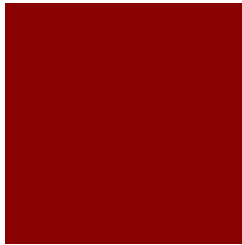
27, 62.518, 37.886



0, 1.415, 17.774

Previews

White Background



This preview shows how the CIELCh color 28, 64.529, 38.082 looks on a white background.

Color Contrast Check

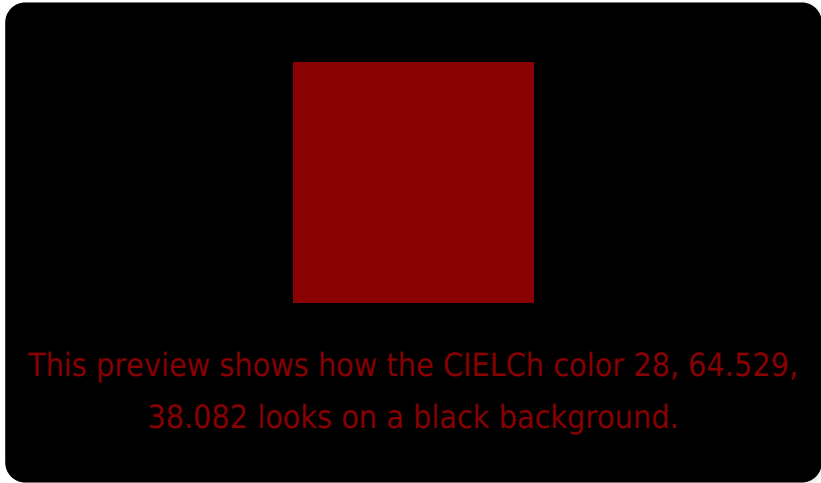
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.529, 38.082

Background



This preview shows how black text looks on a background with the CIELCh color 28, 64.529, 38.082.



This preview shows how white text looks on a background with the CIELCh color 28, 64.529, 38.082.

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, 64.426, 38.210

Protanopia

30, 31.257, 96.455

Deuteranopia

29, 38.748, 85.033



Tritanopia
28, 63.554, 40.610

Trichromacy



Original Color
28, 64.426, 38.210

Protanomaly
26, 38.139, 53.580

Deuteranomaly
26, 45.062, 53.805

Tritanomaly
28, 64.109, 39.804

Monochromacy



Original Color
28, 64.426, 38.210

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 26.361, 25.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 64.529, 38.082 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(138, 1, 3)` looks like.

```
.text, #text, p{  
    color:rgb(138, 1, 3)  
}
```

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(138, 1, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 1, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 64.529, 38.082 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(138, 1, 3) }
```

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

```
.border{ border-color:rgb(138, 1, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 1, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 1, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(138, 1, 3); box-shadow:4px  
4px 4px 4px rgb(138, 1, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 64.529, 38.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 1, 3) }
```

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

```
.background{ background-color: rgb(138, 1,  
3) }
```

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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