

Converting Colors

CIELCh(20, 97.689, 40.822)

Have a look what the booklet for
CIELCh(20, 97.689, 40.822) contains.

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Color

CIELCh(28, 64.854, 38.894)

Conversions

Conversions Part 1

Format	Color
Hex	8A0201
RGB	138, 2, 1
RGB Percent	54%, 1%, 0%
CMY	0.4583, 0.9926, 0.9959
CMYK	0.00, 0.99, 0.99, 0.46
HSL	0°, 99%, 27%
HSV	0°, 99%, 54%
XYZ	10.5287, 5.4574, 0.5282
YIQ	42.5500, 81.3770, 28.5210

Conversions

Conversions Part 2

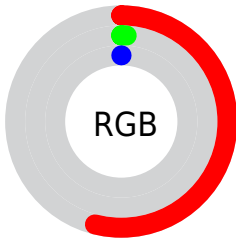
Format	Color
RYB	138, 2, 1
Decimal	9044481
CIELab	28.00, 50.48, 40.72
CIElCh	28, 64.854, 38.894
Yxy	5.4574, 0.6376, 0.3305
Android (android.graphics.Color)	4287234561 (0xFF8A0201)
YUV	42.5500, -20.4841, 83.7096
Hunter-Lab	23.3610, 39.5676, 15.0121

Details

The CIELCh color **28, 64.854, 38.894** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **52, 31.438, 197.335**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 65.110, 39.156**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 65.205, 39.060**, and if you desaturate by 10%, it is **29, 59.986, 36.369**.

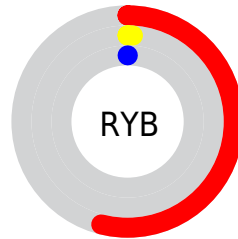
Distribution



Red (54%)

Green (1%)

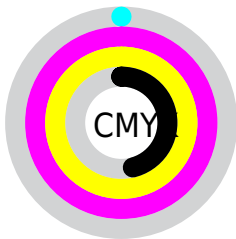
Blue (0%)



Red (54%)

Yellow (1%)

Blue (0%)

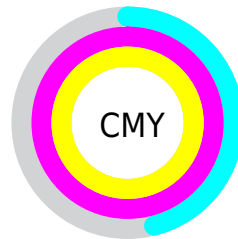


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (46%)



Cyan (46%)

Magenta (99%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 64.854, 38.894 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, 64.854, 38.894 by changing the saturation by 10% instead.

 28, 64.854, 38.894

 28, 64.854, 38.894

 100, 64.854,
38.894

 18, 64.854, 38.894

 48, 64.854, 38.894

 8, 64.854, 38.894

 58, 64.854, 38.894

 0, 64.854, 38.894

 68, 64.854, 38.894

 78, 64.854, 38.894

 88, 64.854, 38.894

 98, 64.854, 38.894

 28, 64.854, 38.894

 28, 64.854, 38.894

28, 65.205, 39.060

29, 59.986, 36.369

30, 53.562, 32.990

33, 46.405, 29.817

35, 38.982, 27.165

38, 31.576, 25.060

42, 24.385, 23.427

46, 17.543, 22.167

50, 11.121, 21.189

54, 5.143, 20.399

Harmonies

Complementary

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



28, 64.854, 38.894



52, 31.438, 197.335

Rectangle

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



28, 64.854, 38.894



28, 64.854, 88.894



28, 64.854, 218.894



28, 64.854, 268.894

Sweetspot

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



28, 64.852, 38.896



58, 22.296, 22.324



32, 73.085, 328.225



28, 15.350, 22.759



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



28, 64.852, 38.896



37, 79.897, 40.043



37, 53.402, 61.667



27, 3.129, 20.391



27, 63.041, 38.776



0, 1.405, 19.931

Inverse Universe

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



52, 31.438, 197.335



66, 38.003, 197.356



30, 44.376, 282.610



29, 2.959, 199.554



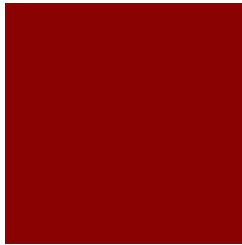
50, 30.570, 197.332



1, 1.405, 199.948

Previews

White Background



This preview shows how the CIELCh color 28, 64.854, 38.894 looks on a white background.

Color Contrast Check

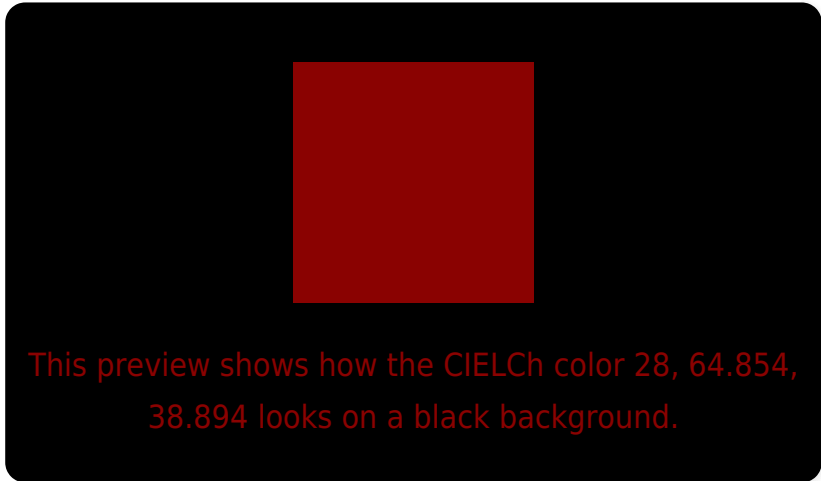
Large Text (above 18pt) WCAG AA ✓ Pass

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

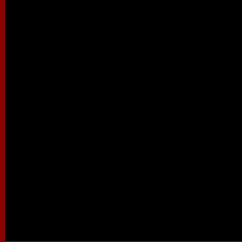
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 64.854, 38.894

Background



This preview shows how black text looks on a background with the CIELCh color 28, 64.854, 38.894.



This preview shows how white text looks on a background with the CIELCh color 28, 64.854, 38.894.

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, 64.800, 38.914

Protanopia

30, 31.257, 96.455

Deuteranopia

29, 38.748, 85.033



Tritanopia
28, 63.554, 40.610

Trichromacy



Original Color
28, 64.800, 38.914

Protanomaly
26, 38.489, 54.029

Deuteranomaly
26, 45.210, 54.837

Tritanomaly
28, 63.959, 40.061

Monochromacy



Original Color
28, 64.800, 38.914

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 26.487, 26.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 64.854, 38.894 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, 2, 1)` looks like.

```
.text, #text, p{  
    color:rgb(138, 2, 1)  
}
```

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, 2, 1) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 28, 64.854, 38.894 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, 2, 1) }
```

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

```
.border{ border-color:rgb(138, 2, 1) }
```

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

Here you see how a box with a 4 pixel rgb(138, 2, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 2, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(138, 2, 1); box-shadow:4px  
4px 4px 4px rgb(138, 2, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 64.854, 38.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 2, 1) }
```

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

```
.background{ background-color: rgb(138, 2,  
1) }
```

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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