

Converting Colors

CIELCh(28, 64.561, 38.627)

Have a look what the booklet for
CIELCh(28, 64.561, 38.627) contains.

CIELCh(28, 64.561, 38.627)	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, 64.561, 38.627)

Conversions

Conversions Part 1

Format	Color
Hex	8A0202
RGB	138, 2, 2
RGB Percent	54%, 1%, 1%
CMY	0.4586, 0.9918, 0.9920
CMYK	0.00, 0.98, 0.99, 0.46
HSL	0°, 97%, 27%
HSV	0°, 99%, 54%
XYZ	10.5235, 5.4574, 0.5575
YIQ	42.6640, 81.0560, 28.8320

Conversions

Conversions Part 2

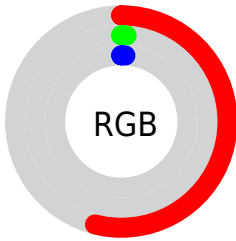
Format	Color
RYB	138, 2, 2
Decimal	9044482
CIELab	28.00, 50.44, 40.30
CIElCh	28, 64.561, 38.627
Yxy	5.4574, 0.6363, 0.3300
Android (android.graphics.Color)	4287234562 (0xFF8A0202)
YUV	42.6640, -20.0474, 83.6097
Hunter-Lab	23.3610, 39.5277, 14.9379

Details

The CIELCh color **28, 64.561, 38.627** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **52, 31.632, 196.458**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 64.392, 38.802**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 65.256, 38.953**, and if you desaturate by 10%, it is **29, 59.631, 36.003**.

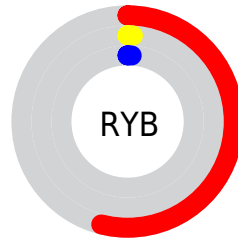
Distribution



Red (54%)

Green (1%)

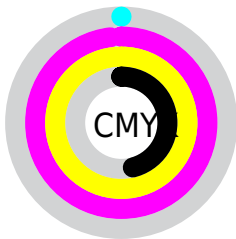
Blue (1%)



Red (54%)

Yellow (1%)

Blue (1%)

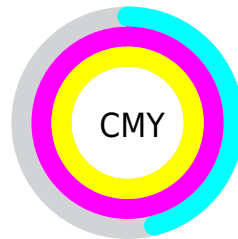


Cyan (0%)

Magenta (98%)

Yellow (99%)

Black (46%)



Cyan (46%)

Magenta (99%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 64.561, 38.627 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, 64.561, 38.627 by changing the saturation by 10% instead.

 28, 64.561, 38.627

 28, 64.561, 38.627

 100, 64.561,
38.627

 18, 64.561, 38.627

 48, 64.561, 38.627

 8, 64.561, 38.627

 58, 64.561, 38.627

 0, 64.561, 38.627

 68, 64.561, 38.627

 78, 64.561, 38.627

 88, 64.561, 38.627

 98, 64.561, 38.627

 28, 64.561, 38.627

 28, 64.561, 38.627

28, 65.256, 38.953

29, 59.631, 36.003

30, 53.168, 32.541

33, 46.003, 29.332

35, 38.581, 26.666

39, 31.175, 24.556

42, 23.985, 22.919

46, 17.145, 21.656

50, 10.725, 20.671

54, 4.749, 19.869

Harmonies

Complementary

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



28, 64.561, 38.627



52, 31.632, 196.458

Rectangle

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



28, 64.561, 38.627



28, 64.561, 88.627



28, 64.561, 218.627



28, 64.561, 268.627

Sweetspot

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



28, 64.559, 38.629



58, 22.418, 21.898



32, 72.891, 328.217



28, 15.433, 22.343



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, 64.559, 38.629



37, 79.978, 39.976



37, 53.017, 61.782



27, 3.147, 19.918



27, 63.123, 38.666



0, 1.413, 19.440

Inverse Universe

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



52, 31.632, 196.458



66, 38.323, 196.451



30, 44.022, 282.318



29, 2.976, 199.045



50, 30.821, 196.449



1, 1.413, 199.457

Previews

White Background



This preview shows how the CIE LCh color 28, 64.561, 38.627 looks on a white background.

Color Contrast Check

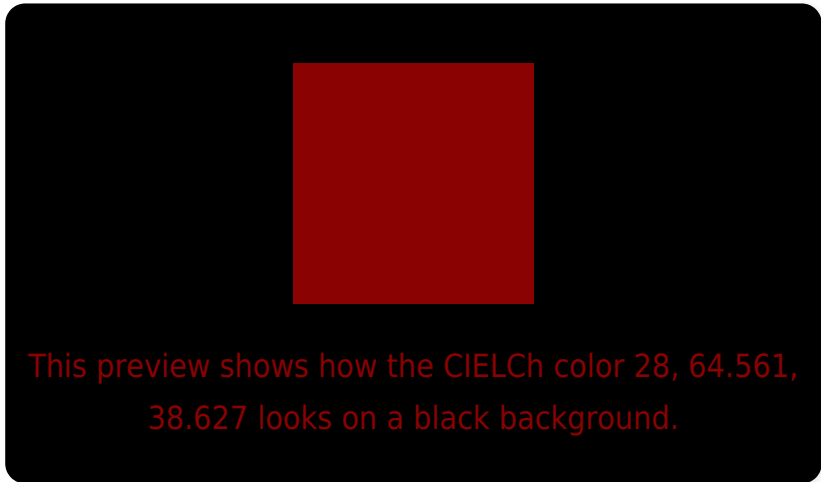
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.561, 38.627

Background



This preview shows how black text looks on a background with the CIELCh color 28, 64.561, 38.627.



This preview shows how white text looks on a background with the CIELCh color 28, 64.561, 38.627.

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, 64.561, 38.627

Protanopia

30, 31.257, 96.455

Deuteranopia

29, 38.748, 85.033



Tritanopia
28, 63.554, 40.610

Trichromacy



Original Color
28, 64.561, 38.627

Protanomaly
26, 38.489, 54.029

Deuteranomaly
26, 44.899, 54.513

Tritanomaly
28, 63.714, 39.774

Monochromacy



Original Color
28, 64.561, 38.627

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, 64.561, 38.627 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, 2)` looks like.

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

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 28, 64.561, 38.627 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, 2) }
```

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

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

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, 2)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 28, 64.561, 38.627 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, 2) }
```

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

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

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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