

Converting Colors

CIELCh(20, 74.635, 6.926)

Have a look what the booklet for
CIELCh(20, 74.635, 6.926) contains.

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Color

CIELCh(28, 54.488, 20.484)

Conversions

Conversions Part 1

Format	Color
Hex	880228
RGB	136, 2, 40
RGB Percent	53%, 1%, 16%
CMY	0.4656, 0.9914, 0.8435
CMYK	0.00, 0.98, 0.71, 0.47
HSL	343°, 97%, 27%
HSV	343°, 98%, 53%
XYZ	10.6034, 5.4574, 2.4933
YIQ	46.3980, 67.6660, 40.2260

Conversions

Conversions Part 2

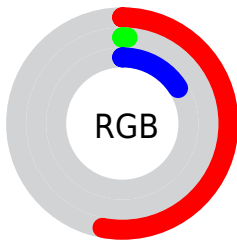
Format	Color
RYB	136, 2, 40
Decimal	8913448
CIELab	28.00, 51.04, 19.07
CIElCh	28, 54.488, 20.484
Yxy	5.4574, 0.5715, 0.2941
Android (android.graphics.Color)	4287103528 (0xFF880228)
YUV	46.3980, -3.1542, 78.5810
Hunter-Lab	23.3610, 40.1380, 10.0246

Details

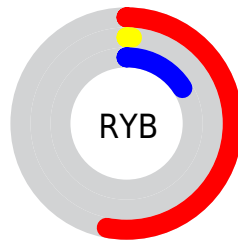
The CIELCh color **28, 54.488, 20.484** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 42.559, 164.256**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 54.624, 20.114**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 55.071, 21.219**, and if you desaturate by 10%, it is **29, 51.098, 15.709**.

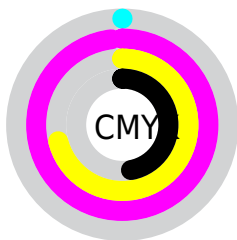
Distribution



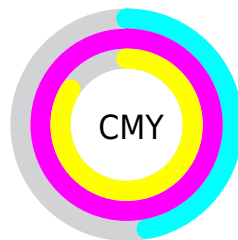
- Red (53%)
- Green (1%)
- Blue (16%)



- Red (53%)
- Yellow (1%)
- Blue (16%)



- Cyan (0%)
- Magenta (98%)
- Yellow (71%)
- Black (47%)



- Cyan (47%)
- Magenta (99%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 54.488, 20.484 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, 54.488, 20.484 by changing the saturation by 10% instead.

 28, 54.488, 20.484

 28, 54.488, 20.484

 100, 54.488,
20.484

 18, 54.488, 20.484

 48, 54.488, 20.484

 8, 54.488, 20.484

 58, 54.488, 20.484

 0, 54.488, 20.484

 68, 54.488, 20.484

 78, 54.488, 20.484

 88, 54.488, 20.484

 98, 54.488, 20.484

 28, 54.488, 20.484

 28, 54.488, 20.484

■ 28, 55.071, 21.219

■ 29, 51.098, 15.709

■ 31, 47.076, 11.546

■ 33, 42.145, 8.203

■ 35, 36.462, 5.545

■ 39, 30.283, 3.419

■ 42, 23.867, 1.691

■ 46, 17.420, 0.259

■ 49, 11.087,
359.043

■ 53, 4.956, 357.969

Harmonies

Complementary

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



28, 54.488, 20.484



50, 42.559, 164.256

Rectangle

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



28, 54.488, 20.484



28, 54.488, 70.484



28, 54.488, 200.484



28, 54.488, 250.484

Sweetspot

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



28, 54.486, 20.486



57, 22.760, 0.561



25, 74.293, 318.177



28, 15.728, 1.077



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, 54.486, 20.486



37, 66.924, 22.565



30, 59.900, 44.126



27, 3.369, 358.051



27, 53.944, 21.056



0, 1.535, 357.272

Inverse Universe

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



28, 54.486, 20.486



37, 66.924, 22.565



42, 27.600, 237.474



27, 3.369, 358.051



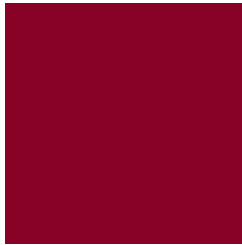
27, 53.944, 21.056



0, 1.535, 357.272

Previews

White Background



This preview shows how the CIE LCh color 28, 54.488, 20.484 looks on a white background.

Color Contrast Check

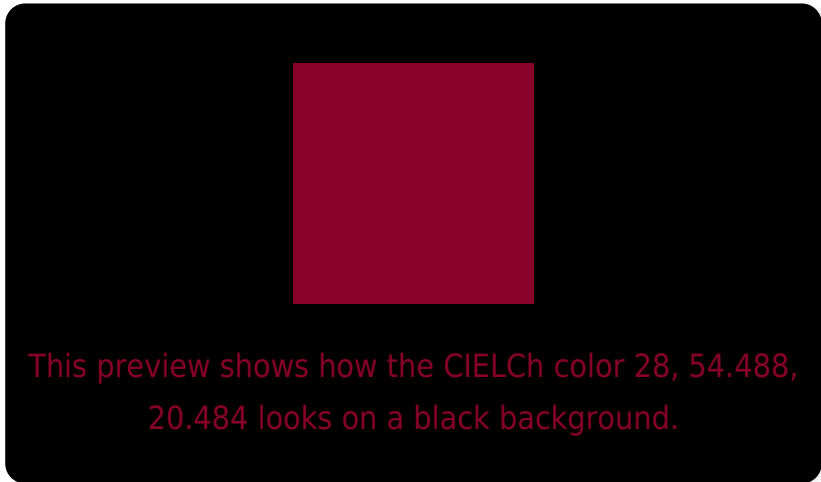
Large Text (above 18pt) WCAG AA ✓ Pass

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

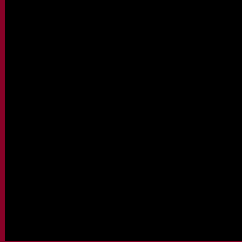
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 54.488, 20.484

Background



This preview shows how black text looks on a background with the CIELCh color 28, 54.488, 20.484.



This preview shows how white text looks on a background with the CIELCh color 28, 54.488, 20.484.

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, 54.396, 20.331

Protanopia
29, 6.658, 92.635

Deuteranopia
29, 23.522, 79.773



Tritanopia
28, 59.606, 37.074

Trichromacy



Original Color
28, 54.396, 20.331

Protanomaly
26, 24.752, 14.859

Deuteranomaly
26, 32.252, 33.795

Tritanomaly
28, 57.377, 31.721

Monochromacy



Original Color
28, 54.396, 20.331

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 24.203, 5.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 54.488, 20.484 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(136, 2, 40)` looks like.

```
.text, #text, p{  
    color:rgb(136, 2, 40)  
}
```

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(136, 2, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 2, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 54.488, 20.484 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(136, 2, 40) }
```

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

```
.border{ border-color:rgb(136, 2, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 2, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 2, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 2, 40);  
box-shadow:4px 4px 4px 4px rgb(136, 2, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 54.488, 20.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 2, 40) }
```

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

```
.background{ background-color: rgb(136, 2,  
40) }
```

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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