

Converting Colors

CIELCh(28, 52.189, 1.580)

Have a look what the booklet for
CIELCh(28, 52.189, 1.580) contains.

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Color

CIELCh(28, 52.265, 1.649)

Conversions

Conversions Part 1

Format	Color
Hex	860142
RGB	134, 1, 66
RGB Percent	53%, 0%, 26%
CMY	0.4759, 0.9947, 0.7423
CMYK	0.00, 0.99, 0.51, 0.48
HSL	331°, 98%, 26%
HSV	331°, 99%, 52%
XYZ	10.7629, 5.4574, 5.5957
YIQ	48.1770, 58.4030, 48.4110

Conversions

Conversions Part 2

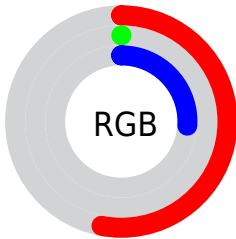
Format	Color
R_YB	134, 1, 66
Decimal	8782146
CIE Lab	28.00, 52.24, 1.50
CIE LCh	28, 52.265, 1.649
Yxy	5.4574, 0.4933, 0.2502
Android (android.graphics.Color)	4286972226 (0xFF860142)
YUV	48.1770, 8.7867, 75.2668
Hunter-Lab	23.3610, 41.3565, 2.1509

Details

The CIELCh color **28, 52.265, 1.649** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **49, 53.262, 150.697**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 52.655, 1.222**, and **14, 36.210, 14.695** is the 20% darker color. If you saturate the color by 10%, you get **28, 52.445, 1.998**, and if you desaturate by 10%, it is **29, 50.565, 358.175**.

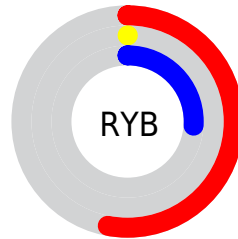
Distribution



Red (53%)

Green (0%)

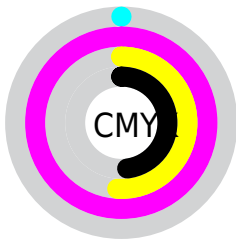
Blue (26%)



Red (53%)

Yellow (0%)

Blue (26%)

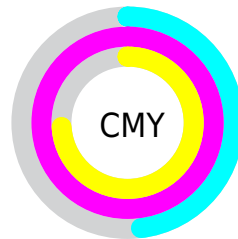


Cyan (0%)

Magenta (99%)

Yellow (51%)

Black (48%)



Cyan (48%)

Magenta (99%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 52.265, 1.649 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, 52.265, 1.649 by changing the saturation by 10% instead.

 28, 52.265, 1.649  28, 52.265, 1.649

 100, 52.265, 1.649  18, 52.265, 1.649

 48, 52.265, 1.649  8, 52.265, 1.649

 58, 52.265, 1.649  0, 52.265, 1.649

 68, 52.265, 1.649

 78, 52.265, 1.649

 88, 52.265, 1.649

 98, 52.265, 1.649

 28, 52.265, 1.649  28, 52.265, 1.649

 28, 52.445, 1.998  29, 50.565,

358.175

■ 31, 47.854,
355.236

■ 33, 43.791,
352.895

■ 35, 38.603,
351.005

■ 38, 32.607,
349.447

■ 41, 26.116,
348.130

■ 45, 19.386,
346.991

■ 48, 12.607,
345.983

■ 52, 5.902, 345.063

Harmonies

Complementary

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



28, 52.265, 1.649



49, 53.262, 150.697

Rectangle

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



28, 52.265, 1.649



28, 52.265, 51.649



28, 52.265, 181.649



28, 52.265, 231.649

Sweetspot

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



28, 52.262, 1.650



57, 24.838, 347.172



20, 76.532, 312.215



27, 16.890, 347.570



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



28, 52.262, 1.650



37, 63.369, 3.059



27, 63.074, 38.507



26, 3.680, 345.074



27, 51.435, 1.874



0, 0.872, 344.379

Inverse Universe

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



28, 52.262, 1.650



37, 63.369, 3.059



50, 30.943, 196.393



26, 3.680, 345.074



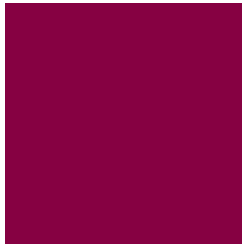
27, 51.435, 1.874



0, 0.872, 344.379

Previews

White Background



This preview shows how the CIE LCh color 28, 52.265, 1.649 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



This preview shows how the CIE LCh color 28, 52.265, 1.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

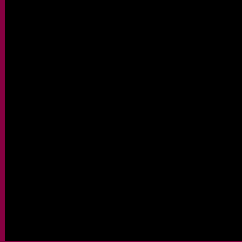
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 52.265, 1.649

Background



This preview shows how black text looks on a background with the CIELCh color 28, 52.265, 1.649.



This preview shows how white text looks on a background with the CIELCh color 28, 52.265, 1.649.

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, 52.432, 1.551

Protanopia

30, 16.794, 284.358

Deuteranopia

29, 7.243, 58.048



Tritanopia
29, 52.440, 33.025

Trichromacy



Original Color
28, 52.432, 1.551

Protanomaly
25, 30.917, 329.645

Deuteranomaly
26, 27.567, 0.397

Tritanomaly
28, 51.139, 21.964

Monochromacy



Original Color
28, 52.432, 1.551

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 25.803, 351.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 52.265, 1.649 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(134, 1, 66)` looks like.

```
.text, #text, p{  
    color:rgb(134, 1, 66)  
}
```

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(134, 1, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 1, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 52.265, 1.649 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(134, 1, 66) }
```

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

```
.border{ border-color:rgb(134, 1, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 1, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 1, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 1, 66);  
box-shadow:4px 4px 4px 4px rgb(134, 1, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 52.265, 1.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 1, 66) }
```

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

```
.background{ background-color: rgb(134, 1,  
66) }
```

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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