

Converting Colors

CIELCh(29, 54.765, 354.780)

Have a look what the booklet for
CIELCh(29, 54.765, 354.780)
contains.

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Color

CIELCh(29, 54.600, 354.669)

Conversions

Conversions Part 1

Format	Color
Hex	89004E
RGB	137, 0, 78
RGB Percent	54%, 0%, 31%
CMY	0.4636, 1.0000, 0.6948
CMYK	0.00, 1.00, 0.43, 0.46
HSL	326°, 100%, 27%
HSV	326°, 100%, 54%
XYZ	11.6443, 5.8380, 7.6867
YIQ	49.8550, 56.6140, 53.3020

Conversions

Conversions Part 2

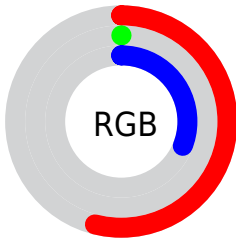
Format	Color
R_{YB}	137, 0, 78
Decimal	8978510
CIE Lab	29.00, 54.36, -5.07
CIE LCh	29, 54.600, 354.669
Yxy	5.8380, 0.4626, 0.2320
Android (android.graphics.Color)	4287168590 (0xFF89004E)
YUV	49.8550, 13.8755, 76.4262
Hunter-Lab	24.1619, 43.7405, -1.9488

Details

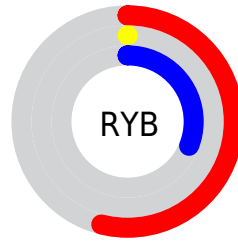
The CIELCh color **29, 54.600, 354.669** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **50, 59.192, 146.538**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 54.834, 354.611**, and **15, 36.735, 5.081** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.529, 354.699**, and if you desaturate by 10%, it is **30, 53.186, 351.930**.

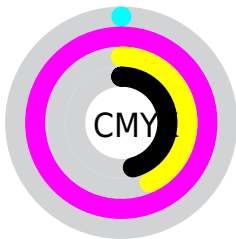
Distribution



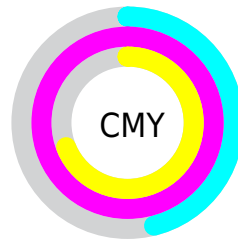
- Red (54%)
- Green (0%)
- Blue (31%)



- Red (54%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (46%)



- Cyan (46%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 54.600, 354.669 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 29, 54.600, 354.669 by changing the saturation by 10% instead.

 29, 54.600,
354.669

 29, 54.600,
354.669

 100, 54.600,
354.669

 19, 54.600,
354.669

 49, 54.600,
354.669

 9, 54.600, 354.669

 59, 54.600,
354.669

 0, 54.600, 354.669

 69, 54.600,
354.669

 79, 54.600,
354.669

 89, 54.600,
354.669

 99, 54.600,

354.669

■ 29, 54.600,
354.669

■ 29, 54.600,
354.669

■ 29, 54.529,
354.699

■ 30, 53.186,
351.930

■ 31, 50.777,
349.551

■ 33, 46.844,
347.634

■ 36, 41.621,
346.060

■ 39, 35.444,
344.735

■ 42, 28.653,
343.591

■ 46, 21.531,
342.581

■ 49, 14.294,
341.671

■ 53, 7.087, 340.830

Harmonies

Complementary

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



29, 54.600, 354.669



50, 59.192, 146.538

Rectangle

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



29, 54.600, 354.669



29, 54.600, 44.669



29, 54.600, 174.669



29, 54.600, 224.669

Sweetspot

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



29, 54.529, 354.699



59, 26.762, 342.645



19, 79.698, 310.439



28, 18.186, 343.002



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



29, 54.529, 354.699



39, 66.062, 355.529



28, 62.132, 35.465



27, 4.018, 340.760



28, 53.342, 354.590



0, 1.848, 340.111

Inverse Universe

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



29, 54.529, 354.699



39, 66.062, 355.529



51, 33.942, 184.708



27, 4.018, 340.760



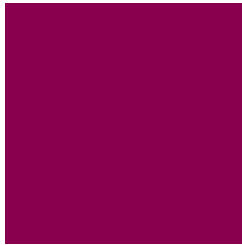
28, 53.342, 354.590



0, 1.848, 340.111

Previews

White Background



This preview shows how the CIE LCh color 29, 54.600, 354.669 looks on a white background.

Color Contrast Check

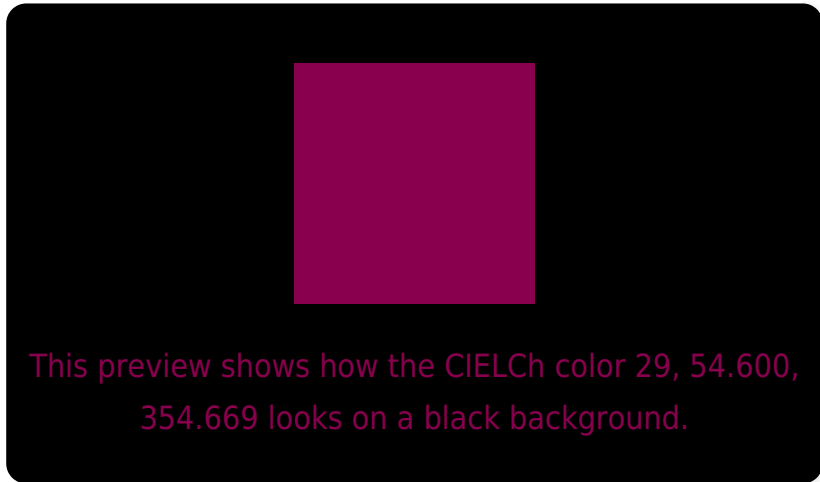
Large Text (above 18pt) WCAG AA ✓ Pass

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

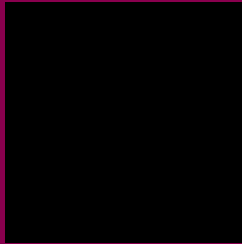
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 54.600, 354.669

Background



This preview shows how black text looks on a background with the CIELCh color 29, 54.600, 354.669.



This preview shows how white text looks on a background with the CIELCh color 29, 54.600, 354.669.

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

29, 54.600, 354.669

Protanopia

31, 26.313, 284.792

Deuteranopia

31, 4.210, 2.493



Tritanopia
30, 50.769, 31.894

Trichromacy



Original Color
29, 54.600, 354.669

Protanomaly
26, 38.190, 319.277

Deuteranomaly
27, 29.291, 347.573

Tritanomaly
29, 50.024, 17.412

Monochromacy



Original Color
29, 54.600, 354.669

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 27.806, 346.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 54.600, 354.669 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(137, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 78)  
}
```

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(137, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 54.600, 354.669 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(137, 0, 78) }
```

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

```
.border{ border-color:rgb(137, 0, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 0, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(137, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 54.600, 354.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 78) }
```

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

```
.background{ background-color: rgb(137, 0,  
78) }
```

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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