

Converting Colors

CIELCh(27, 62.094, 351.048)

Have a look what the booklet for
CIELCh(27, 62.094, 351.048)
contains.

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Color

CIELCh(29, 54.920, 353.421)

Conversions

Conversions Part 1

Format	Color
Hex	890050
RGB	137, 0, 80
RGB Percent	54%, 0%, 31%
CMY	0.4644, 1.0000, 0.6877
CMYK	0.00, 1.00, 0.42, 0.46
HSL	325°, 100%, 27%
HSV	325°, 100%, 54%
XYZ	11.6717, 5.8380, 8.0320
YIQ	50.0830, 55.9720, 53.9240

Conversions

Conversions Part 2

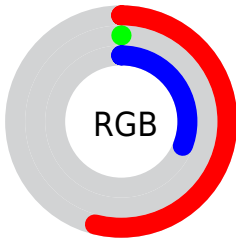
Format	Color
R_{YB}	137, 0, 80
Decimal	8978512
CIE _{Lab}	29.00, 54.56, -6.29
CIE _{LCh}	29, 54.920, 353.421
Yxy	5.8380, 0.4570, 0.2286
Android (android.graphics.Color)	4287168592 (0xFF890050)
YUV	50.0830, 14.7491, 76.2262
Hunter-Lab	24.1619, 43.9428, -2.7960

Details

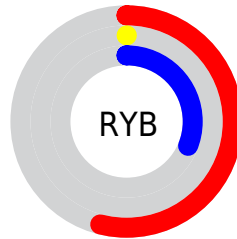
The CIELCh color **29, 54.920, 353.421** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **50, 59.897, 145.936**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 55.182, 353.487**, and **15, 36.811, 2.905** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.779, 353.476**, and if you desaturate by 10%, it is **30, 53.467, 350.840**.

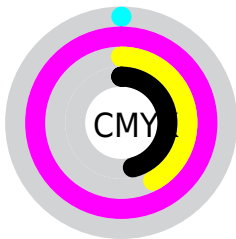
Distribution



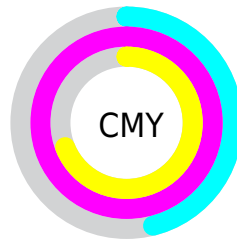
- Red (54%)
- Green (0%)
- Blue (31%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (46%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 54.920, 353.421 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, 54.920, 353.421 by changing the saturation by 10% instead.

 29, 54.920,
353.421

 29, 54.920,
353.421

 100, 54.920,
353.421

 19, 54.920,
353.421

 49, 54.920,
353.421

 9, 54.920, 353.421

 59, 54.920,
353.421

 0, 54.920, 353.421

 69, 54.920,
353.421

 79, 54.920,
353.421

 89, 54.920,
353.421

 99, 54.920,

353.421

■ 29, 54.920,
353.421

■ 29, 54.920,
353.421

■ 29, 54.779,
353.476

■ 30, 53.467,
350.840

■ 31, 51.073,
348.572

■ 33, 47.139,
346.737

■ 36, 41.901,
345.224

■ 39, 35.698,
343.945

■ 42, 28.870,
342.834

■ 46, 21.703,
341.850

■ 49, 14.413,
340.959

■ 53, 7.149, 340.132

Harmonies

Complementary

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



29, 54.920, 353.421



50, 59.897, 145.936

Rectangle

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



29, 54.920, 353.421



29, 54.920, 43.421



29, 54.920, 173.421



29, 54.920, 223.421

Sweetspot

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



29, 54.779, 353.476



59, 27.009, 341.912



19, 79.608, 310.440



28, 18.352, 342.260



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, 54.779, 353.476



39, 66.424, 354.271



28, 62.055, 35.455



27, 4.058, 340.063



28, 53.647, 353.378



0, 1.867, 339.424

Inverse Universe

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



29, 54.779, 353.476



39, 66.424, 354.271



51, 33.903, 184.709



27, 4.058, 340.063



28, 53.647, 353.378



0, 1.867, 339.424

Previews

White Background



This preview shows how the CIE LCh color 29, 54.920, 353.421 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 29, 54.920, 353.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

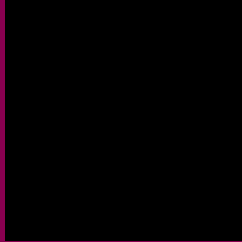
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 54.920, 353.421

Background



This preview shows how black text looks on a background with the CIELCh color 29, 54.920, 353.421.



This preview shows how white text looks on a background with the CIELCh color 29, 54.920, 353.421.

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, 54.920, 353.421

Protanopia

31, 27.622, 284.371

Deuteranopia

31, 4.363, 344.377



Tritanopia
30, 50.256, 31.644

Trichromacy



Original Color
29, 54.920, 353.421

Protanomaly
26, 39.202, 317.948

Deuteranomaly
27, 29.601, 344.779

Tritanomaly
29, 49.898, 16.689

Monochromacy



Original Color
29, 54.920, 353.421

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 27.843, 344.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 54.920, 353.421 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 54.920, 353.421 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, 80) }
```

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

```
.border{ border-color:rgb(137, 0, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(137, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 54.920, 353.421 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, 80) }
```

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

```
.background{ background-color: rgb(137, 0,  
80) }
```

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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