

Converting Colors

CIELCh(27, 52.782, 351.143)

Have a look what the booklet for
CIELCh(27, 52.782, 351.143)
contains.

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Color

CIELCh(27, 52.778, 350.681)

Conversions

Conversions Part 1

Format	Color
Hex	7F004E
RGB	127, 0, 78
RGB Percent	50%, 0%, 31%
CMY	0.5010, 0.9982, 0.6933
CMYK	0.00, 1.00, 0.39, 0.50
HSL	323°, 99%, 25%
HSV	323°, 100%, 50%
XYZ	10.1769, 5.0937, 7.6938
YIQ	46.8650, 50.6540, 51.1820

Conversions

Conversions Part 2

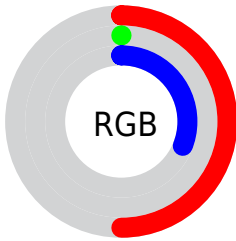
Format	Color
R_{YB}	127, 0, 78
Decimal	8323150
CIE _{Lab}	27.00, 52.08, -8.55
CIE _{LCh}	27, 52.778, 350.681
Yxy	5.0937, 0.4432, 0.2218
Android (android.graphics.Color)	4286513230 (0xFF7F004E)
YUV	46.8650, 15.3496, 70.2784
Hunter-Lab	22.5692, 40.9931, -4.4134

Details

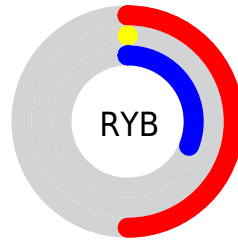
The CIELCh color **27, 52.778, 350.681** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **46, 58.100, 144.945**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 52.795, 350.750**, and **13, 34.207, 359.669** is the 20% darker color. If you saturate the color by 10%, you get **27, 52.826, 350.761**, and if you desaturate by 10%, it is **28, 51.410, 348.395**.

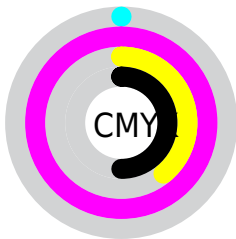
Distribution



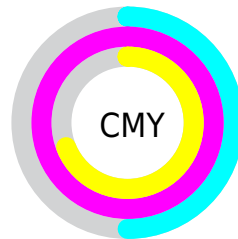
- Red (50%)
- Green (0%)
- Blue (31%)



- Red (50%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (50%)





- Cyan (50%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 52.778, 350.681 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 27, 52.778, 350.681 by changing the saturation by 10% instead.

 27, 52.778,
350.681


 27, 52.778,
350.681

 100, 52.778,
350.681


 17, 52.778,
350.681


 47, 52.778,
350.681


 7, 52.778, 350.681

 57, 52.778,
350.681

 0, 52.778, 350.681

 67, 52.778,
350.681

 77, 52.778,
350.681

 87, 52.778,
350.681

 97, 52.778,

350.681

■ 27, 52.778,
350.681

■ 27, 52.778,
350.681

■ 27, 52.826,
350.761

■ 28, 51.410,
348.395

■ 29, 49.019,
346.405

■ 31, 45.166,
344.778

■ 34, 40.088,
343.418

■ 36, 34.105,
342.250

■ 39, 27.535,
341.224

■ 43, 20.645,
340.302

■ 46, 13.635,
339.459

■ 50, 6.645, 338.670

Harmonies

Complementary

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



27, 52.778, 350.681



46, 58.100, 144.945

Rectangle

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



27, 52.778, 350.681



27, 52.778, 40.681



27, 52.778, 170.681



27, 52.778, 220.681

Sweetspot

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



27, 52.776, 350.682



55, 25.932, 340.396



17, 75.898, 309.901



27, 17.823, 340.716



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



27, 52.776, 350.682



36, 63.782, 351.503



25, 57.416, 33.175



25, 3.886, 338.627



27, 52.900, 350.768



0, 0.000, 0.000

Inverse Universe

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



27, 52.776, 350.682



36, 63.782, 351.503



48, 33.332, 180.666



25, 3.886, 338.627



27, 52.900, 350.768



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 27, 52.778, 350.681 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 27, 52.778, 350.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

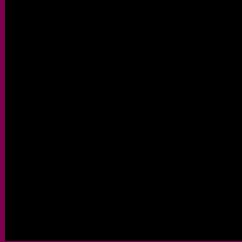
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 52.778, 350.681

Background



This preview shows how black text looks on a background with the CIELCh color 27, 52.778, 350.681.



This preview shows how white text looks on a background with the CIELCh color 27, 52.778, 350.681.

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

27, 52.778, 350.681

Protanopia

29, 29.848, 285.012

Deuteranopia

28, 5.822, 317.696



Tritanopia
28, 46.140, 30.400

Trichromacy



Original Color
27, 52.778, 350.681

Protanomaly
24, 39.607, 314.968

Deuteranomaly
25, 29.040, 339.428

Tritanomaly
27, 46.238, 13.904

Monochromacy



Original Color
27, 52.778, 350.681

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 26.719, 343.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 52.778, 350.681 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(127, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 52.778, 350.681 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(127, 0, 78) }
```

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

```
.border{ border-color:rgb(127, 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(127, 0, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(127, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 52.778, 350.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 78) }
```

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

```
.background{ background-color: rgb(127, 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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