

Converting Colors

CIELCh(27, 55.872, 342.060)

Have a look what the booklet for
CIELCh(27, 55.872, 342.060)
contains.

CIELCh(27, 55.780, 342.253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 55.780, 342.253)

Conversions

Conversions Part 1

Format	Color
Hex	7D005B
RGB	125, 0, 91
RGB Percent	49%, 0%, 36%
CMY	0.5105, 1.0000, 0.6437
CMYK	0.00, 1.00, 0.27, 0.51
HSL	316°, 100%, 24%
HSV	316°, 100%, 49%
XYZ	10.3117, 5.0937, 10.3040
YIQ	47.7490, 45.2890, 54.8010

Conversions

Conversions Part 2

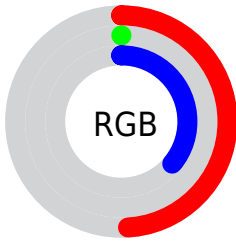
Format	Color
RYB	125, 0, 91
Decimal	8192091
CIELab	27.00, 53.13, -17.00
CIELCh	27, 55.780, 342.253
Yxy	5.0937, 0.4011, 0.1981
Android (android.graphics.Color)	4286382171 (0xFF7D005B)
YUV	47.7490, 21.3227, 67.7491
Hunter-Lab	22.5692, 42.0596, -11.2704

Details

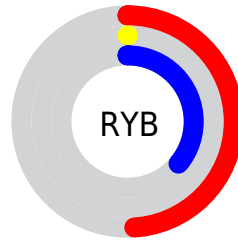
The CIELCh color **27, 55.780, 342.253** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **45, 62.650, 141.025**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 55.719, 342.301**, and **13, 36.084, 347.079** is the 20% darker color. If you saturate the color by 10%, you get **27, 55.720, 342.264**, and if you desaturate by 10%, it is **28, 54.289, 340.881**.

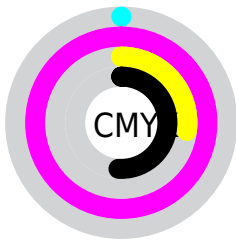
Distribution



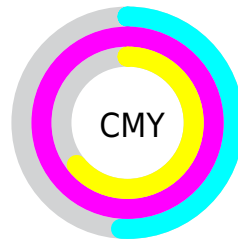
- Red (49%)
- Green (0%)
- Blue (36%)



- Red (49%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (51%)





- Cyan (51%)
- Magenta (100%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 55.780, 342.253 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, 55.780, 342.253 by changing the saturation by 10% instead.

 27, 55.780,
342.253


 27, 55.780,
342.253

 100, 55.780,
342.253


 17, 55.780,
342.253


 47, 55.780,
342.253


 7, 55.780, 342.253

 57, 55.780,
342.253

 0, 55.780, 342.253

 67, 55.780,
342.253

 77, 55.780,
342.253

 87, 55.780,
342.253

 97, 55.780,

342.253

■ 27, 55.780,
342.253

■ 27, 55.780,
342.253

■ 27, 55.720,
342.264

■ 28, 54.289,
340.881

■ 29, 51.837,
339.630

■ 31, 47.865,
338.553

■ 33, 42.605,
337.601

■ 36, 36.373,
336.737

■ 39, 29.489,
335.937

■ 42, 22.227,
335.187

■ 45, 14.799,
334.476

■ 49, 7.359, 333.791

Harmonies

Complementary

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



27, 55.780, 342.253



45, 62.650, 141.025

Rectangle

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



27, 55.780, 342.253



27, 55.780, 32.253



27, 55.780, 162.253



27, 55.780, 212.253

Sweetspot

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



27, 55.720, 342.264



54, 27.671, 335.240



14, 76.625, 308.207



26, 18.763, 335.494



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



27, 55.720, 342.264



36, 67.435, 342.708



25, 52.806, 24.759



24, 4.075, 333.726



27, 55.757, 342.266



56, 92.966, 343.254

Inverse Universe

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



27, 55.720, 342.264



36, 67.435, 342.708



46, 37.852, 168.324



24, 4.075, 333.726



27, 55.757, 342.266



56, 92.966, 343.254

Previews

White Background



This preview shows how the CIELCh color 27, 55.780, 342.253 looks on a white background.

Color Contrast Check

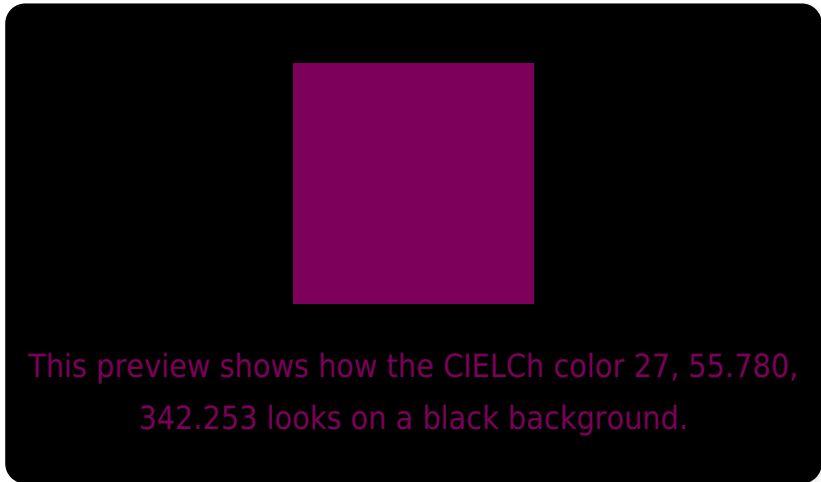
Large Text (above 18pt) WCAG AA ✓ Pass

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

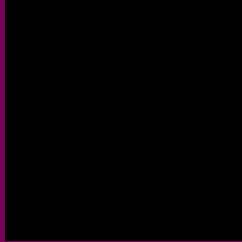
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 55.780, 342.253

Background



This preview shows how black text looks on a background with the CIELCh color 27, 55.780, 342.253.



This preview shows how white text looks on a background with the CIELCh color 27, 55.780, 342.253.

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, 55.780, 342.253

Protanopia

29, 41.406, 286.364

Deuteranopia

29, 12.275, 290.650



Tritanopia
28, 41.896, 27.987

Trichromacy



Original Color
27, 55.780, 342.253

Protanomaly
23, 48.852, 307.269

Deuteranomaly
25, 33.565, 326.927

Tritanomaly
27, 44.070, 7.099

Monochromacy



Original Color
27, 55.780, 342.253

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 28.358, 336.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 55.780, 342.253 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(125, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 91)  
}
```

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(125, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 55.780, 342.253 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(125, 0, 91) }
```

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

```
.border{ border-color:rgb(125, 0, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 0, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(125, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 55.780, 342.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 91) }
```

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

```
.background{ background-color: rgb(125, 0,  
91) }
```

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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