

Converting Colors

CIELCh(27, 53.715, 348.418)

Have a look what the booklet for
CIELCh(27, 53.715, 348.418)
contains.

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Color

CIELCh(27, 53.645, 348.201)

Conversions

Conversions Part 1

Format	Color
Hex	7F0052
RGB	127, 0, 82
RGB Percent	50%, 0%, 32%
CMY	0.5028, 1.0000, 0.6791
CMYK	0.00, 1.00, 0.35, 0.50
HSL	321°, 100%, 25%
HSV	321°, 100%, 50%
XYZ	10.2323, 5.0937, 8.3901
YIQ	47.3210, 49.3700, 52.4260

Conversions

Conversions Part 2

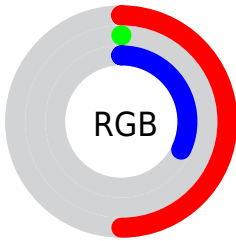
Format	Color
R_{YB}	127, 0, 82
Decimal	8323154
CIE _{Lab}	27.00, 52.51, -10.97
CIE _{LCh}	27, 53.645, 348.201
Yxy	5.0937, 0.4314, 0.2148
Android (android.graphics.Color)	4286513234 (0xFF7F0052)
YUV	47.3210, 17.0967, 69.8785
Hunter-Lab	22.5692, 41.4313, -6.2428

Details

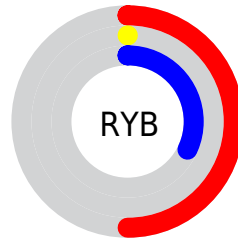
The CIELCh color **27, 53.645, 348.201** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **46, 59.644, 143.683**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 53.695, 348.506**, and **13, 34.583, 356.224** is the 20% darker color. If you saturate the color by 10%, you get **27, 53.571, 348.223**, and if you desaturate by 10%, it is **28, 52.224, 346.207**.

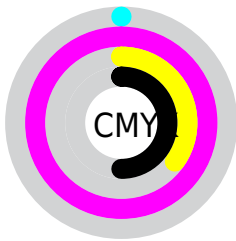
Distribution



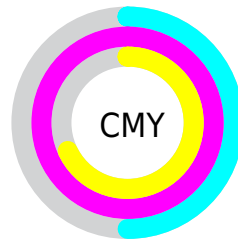
- Red (50%)
- Green (0%)
- Blue (32%)



- Red (50%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (50%)





- Cyan (50%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 53.645, 348.201 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, 53.645, 348.201 by changing the saturation by 10% instead.

 27, 53.645,
348.201


 27, 53.645,
348.201

 100, 53.645,
348.201


 17, 53.645,
348.201


 47, 53.645,
348.201


 7, 53.645, 348.201

 57, 53.645,
348.201

 0, 53.645, 348.201

 67, 53.645,
348.201

 77, 53.645,
348.201

 87, 53.645,
348.201

 97, 53.645,

348.201

■ 27, 53.645,
348.201

■ 27, 53.645,
348.201

■ 27, 53.571,
348.223

■ 28, 52.224,
346.207

■ 29, 49.878,
344.430

■ 31, 46.041,
342.961

■ 33, 40.948,
341.718

■ 36, 34.918,
340.638

■ 39, 28.271,
339.677

■ 42, 21.280,
338.804

■ 46, 14.150,
337.999

■ 49, 7.027, 337.240

Harmonies

Complementary

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



27, 53.645, 348.201



46, 59.644, 143.683

Rectangle

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



27, 53.645, 348.201



27, 53.645, 38.201



27, 53.645, 168.201



27, 53.645, 218.201

Sweetspot

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



27, 53.571, 348.223



55, 26.492, 338.864



16, 76.372, 309.358



27, 18.204, 339.167



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, 53.571, 348.223



36, 64.837, 348.881



25, 56.229, 31.158



25, 3.976, 337.173



27, 53.783, 348.238



0, 0.000, 0.000

Inverse Universe

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



27, 53.571, 348.223



36, 64.837, 348.881



47, 34.589, 176.763



25, 3.976, 337.173



27, 53.783, 348.238



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 53.645, 348.201 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, 53.645, 348.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

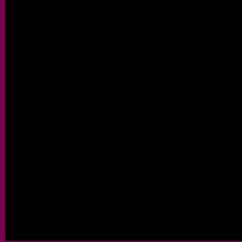
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 53.645, 348.201

Background



This preview shows how black text looks on a background with the CIELCh color 27, 53.645, 348.201.



This preview shows how white text looks on a background with the CIELCh color 27, 53.645, 348.201.

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, 53.645, 348.201

Protanopia

29, 33.031, 285.560

Deuteranopia

29, 6.707, 306.102



Tritanopia
28, 45.614, 30.129

Trichromacy



Original Color
27, 53.645, 348.201

Protanomaly
24, 41.821, 312.872

Deuteranomaly
25, 30.221, 336.588

Tritanomaly
27, 46.089, 12.303

Monochromacy



Original Color
27, 53.645, 348.201

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 27.436, 340.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 53.645, 348.201 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 53.645, 348.201 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, 82) }
```

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

```
.border{ border-color:rgb(127, 0, 82) }
```

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, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(127, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 53.645, 348.201 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, 82) }
```

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

```
.background{ background-color: rgb(127, 0,  
82) }
```

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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