

Converting Colors

CIELCh(27, 47.783, 348.063)

Have a look what the booklet for
CIELCh(27, 47.783, 348.063)
contains.

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Color

CIELCh(27, 47.745, 348.336)

Conversions

Conversions Part 1

Format	Color
Hex	791350
RGB	121, 19, 80
RGB Percent	47%, 7%, 31%
CMY	0.5270, 0.9235, 0.6876
CMYK	0.00, 0.84, 0.34, 0.53
HSL	324°, 72%, 27%
HSV	324°, 84%, 47%
XYZ	9.5077, 5.0937, 8.0068
YIQ	56.4520, 41.2110, 40.5950

Conversions

Conversions Part 2

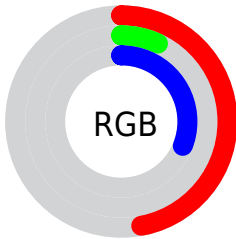
Format	Color
R_{YB}	121, 19, 80
Decimal	7934800
CIE _{Lab}	27.00, 46.76, -9.65
CIE _{LCh}	27, 47.745, 348.336
Yxy	5.0937, 0.4205, 0.2253
Android (android.graphics.Color)	4286124880 (0xFF791350)
YUV	56.4520, 11.6092, 56.6086
Hunter-Lab	22.5692, 35.7005, -5.2356

Details

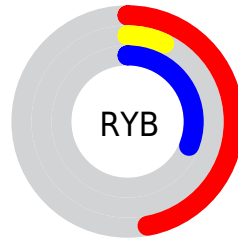
The CIELCh color $[27, 47.745, 348.336]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[44, 48.850, 148.823]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 47.933, 348.483]$, and $[12, 33.348, 355.785]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 49.536, 350.606]$, and if you desaturate by 10%, it is $[29, 44.571, 346.486]$.

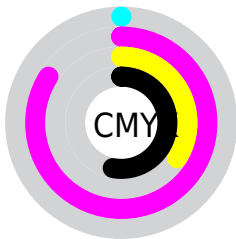
Distribution



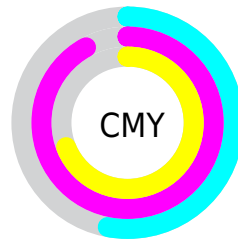
- Red (47%)
- Green (7%)
- Blue (31%)



- Red (47%)
- Yellow (7%)
- Blue (31%)



- Cyan (0%)
- Magenta (84%)
- Yellow (34%)
- Black (53%)




- Cyan (53%)
- Magenta (92%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 47.745, 348.336 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, 47.745, 348.336 by changing the saturation by 10% instead.

 27, 47.745,
348.336

 27, 47.745,
348.336

 100, 47.745,
348.336

 17, 47.745,
348.336

 47, 47.745,
348.336


 7, 47.745, 348.336

 57, 47.745,
348.336

 0, 47.745, 348.336

 67, 47.745,
348.336

 77, 47.745,
348.336

 87, 47.745,
348.336

 97, 47.745,

348.336

■ 27, 47.745,
348.336

■ 27, 47.745,
348.336

■ 26, 49.536,
350.606

■ 29, 44.571,
346.486

■ 25, 50.452,
352.066

■ 31, 40.150,
344.961

■ 33, 34.761,
343.673

■ 36, 28.713,
342.557

■ 39, 22.277,
341.569

■ 42, 15.668,
340.676

■ 46, 9.036, 339.854

■ 49, 2.483, 339.034

■ 53, 3.929, 158.511

Harmonies

Complementary

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



27, 47.745, 348.336



44, 48.850, 148.823

Rectangle

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



27, 47.745, 348.336



27, 47.745, 38.336



27, 47.745, 168.336



27, 47.745, 218.336

Sweetspot

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



27, 47.743, 348.337



54, 20.252, 340.828



19, 64.616, 310.163



26, 13.936, 341.077



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



27, 47.743, 348.337



34, 60.422, 352.867



26, 47.976, 27.536



24, 3.708, 339.478



26, 51.715, 352.187



55, 86.257, 354.005

Inverse Universe

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



27, 47.743, 348.337



34, 60.422, 352.867



45, 29.591, 184.390



24, 3.708, 339.478



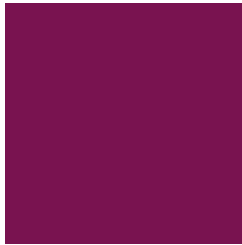
26, 51.715, 352.187



55, 86.257, 354.005

Previews

White Background



This preview shows how the CIELCh color 27, 47.745, 348.336 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, 47.745, 348.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

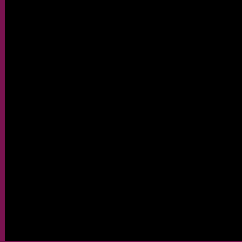
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 47.745, 348.336

Background



This preview shows how black text looks on a background with the CIELCh color 27, 47.745, 348.336.



This preview shows how white text looks on a background with the CIELCh color 27, 47.745, 348.336.

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, 48.046, 348.231

Protanopia

28, 29.942, 285.744

Deuteranopia

28, 7.368, 304.886



Tritanopia
27, 41.079, 27.920

Trichromacy



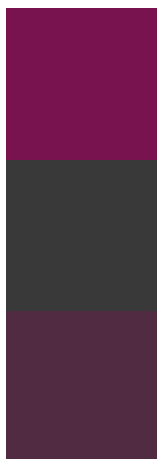
Original Color
27, 48.046, 348.231

Protanomaly
25, 34.635, 311.813

Deuteranomaly
26, 24.734, 335.496

Tritanomaly
27, 41.147, 11.371

Monochromacy



Original Color
27, 48.046, 348.231

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 21.582, 342.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 47.745, 348.336 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(121, 19, 80)` looks like.

```
.text, #text, p{  
    color:rgb(121, 19, 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(121, 19, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 19, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 47.745, 348.336 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(121, 19, 80) }
```

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

```
.border{ border-color:rgb(121, 19, 80) }
```

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

Here you see how a box with a 4 pixel rgb(121, 19, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 19, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 19, 80);  
box-shadow:4px 4px 4px 4px rgb(121, 19,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 47.745, 348.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 19, 80) }
```

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

```
.background{ background-color: rgb(121, 19,  
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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