

Converting Colors

CIELCh(27, 46.588, 346.940)

Have a look what the booklet for
CIELCh(27, 46.588, 346.940)
contains.

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Color

CIELCh(27, 46.628, 347.084)

Conversions

Conversions Part 1

Format	Color
Hex	771751
RGB	119, 23, 81
RGB Percent	47%, 9%, 32%
CMY	0.5344, 0.9110, 0.6833
CMYK	0.00, 0.81, 0.32, 0.53
HSL	324°, 68%, 28%
HSV	324°, 81%, 47%
XYZ	9.3475, 5.0937, 8.2294
YIQ	58.3160, 38.5980, 38.3900

Conversions

Conversions Part 2

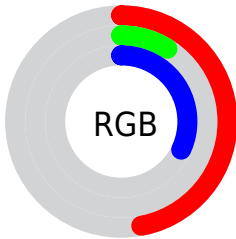
Format	Color
R_{YB}	119, 23, 81
Decimal	7804753
CIE Lab	27.00, 45.45, -10.42
CIE LCh	27, 46.628, 347.084
Yxy	5.0937, 0.4123, 0.2247
Android (android.graphics.Color)	4285994833 (0xFF771751)
YUV	58.3160, 11.1832, 53.2199
Hunter-Lab	22.5692, 34.4337, -5.8206

Details

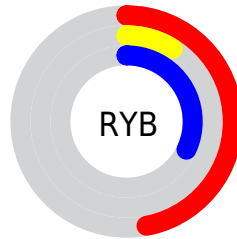
The CIELCh color $[27, 46.628, 347.084]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[44, 47.409, 148.982]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 46.329, 347.152]$, and $[11, 33.081, 353.184]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 48.793, 349.148]$, and if you desaturate by 10%, it is $[29, 43.085, 345.401]$.

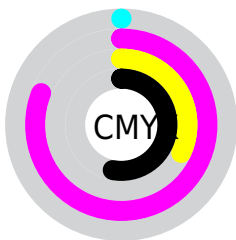
Distribution



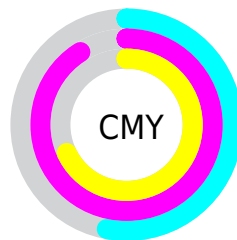
- Red (47%)
- Green (9%)
- Blue (32%)



- Red (47%)
- Yellow (9%)
- Blue (32%)



- Cyan (0%)
- Magenta (81%)
- Yellow (32%)
- Black (53%)




- Cyan (53%)
- Magenta (91%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 46.628, 347.084 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, 46.628, 347.084 by changing the saturation by 10% instead.

 27, 46.628,
347.084

 27, 46.628,
347.084

 100, 46.628,
347.084


 17, 46.628,
347.084

 47, 46.628,
347.084


 7, 46.628, 347.084

 57, 46.628,
347.084

 0, 46.628, 347.084

 67, 46.628,
347.084

 77, 46.628,
347.084

 87, 46.628,
347.084

 97, 46.628,

347.084

■ 27, 46.628,
347.084

■ 27, 46.628,
347.084

■ 26, 48.793,
349.148

■ 29, 43.085,
345.401

■ 25, 50.125,
351.225

■ 31, 38.381,
343.998

■ 34, 32.810,
342.799

■ 36, 26.669,
341.750

■ 39, 20.211,
340.811

■ 43, 13.628,
339.956

■ 46, 7.054, 339.160

■ 50, 0.577, 338.039

■ 53, 5.750, 157.850

Harmonies

Complementary

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



27, 46.628, 347.084



44, 47.409, 148.982

Rectangle

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



27, 46.628, 347.084



27, 46.628, 37.084



27, 46.628, 167.084



27, 46.628, 217.084

Sweetspot

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



27, 46.626, 347.085



54, 19.561, 340.266



20, 62.103, 309.705



27, 13.555, 340.516



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, 46.626, 347.085



34, 60.363, 351.271



26, 45.462, 25.095



23, 3.602, 339.014



26, 51.200, 351.326



55, 85.963, 353.127

Inverse Universe

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



27, 46.626, 347.085



34, 60.363, 351.271



45, 29.202, 182.881



23, 3.602, 339.014



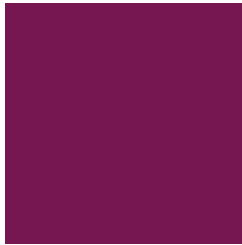
26, 51.200, 351.326



55, 85.963, 353.127

Previews

White Background



This preview shows how the CIE LCh color 27, 46.628, 347.084 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, 46.628, 347.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

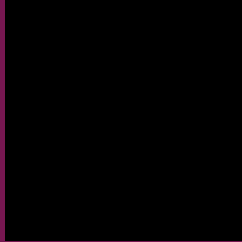
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 46.628, 347.084

Background



This preview shows how black text looks on a background with the CIELCh color 27, 46.628, 347.084.



This preview shows how white text looks on a background with the CIELCh color 27, 46.628, 347.084.

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, 46.628, 347.084

Protanopia

28, 29.942, 285.744

Deuteranopia

28, 7.917, 300.863



Tritanopia
27, 39.090, 27.135

Trichromacy



Original Color
27, 46.628, 347.084

Protanomaly
25, 33.853, 310.837

Deuteranomaly
26, 24.208, 333.735

Tritanomaly
27, 39.280, 10.964

Monochromacy



Original Color
27, 46.628, 347.084

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 20.525, 342.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 46.628, 347.084 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(119, 23, 81)` looks like.

```
.text, #text, p{  
    color:rgb(119, 23, 81)  
}
```

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(119, 23, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 23, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 46.628, 347.084 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(119, 23, 81) }
```

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

```
.border{ border-color:rgb(119, 23, 81) }
```

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

Here you see how a box with a 4 pixel rgb(119, 23, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 23, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 23, 81);  
box-shadow:4px 4px 4px 4px rgb(119, 23,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 46.628, 347.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 23, 81) }
```

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

```
.background{ background-color: rgb(119, 23,  
81) }
```

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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