

Converting Colors

CIELCh(27, 46.309, 311.046)

Have a look what the booklet for
CIELCh(27, 46.309, 311.046)
contains.

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Color

CIELCh(27, 46.687, 310.932)

Conversions

Conversions Part 1

Format	Color
Hex	502F76
RGB	80, 47, 118
RGB Percent	31%, 18%, 46%
CMY	0.6850, 0.8145, 0.5359
CMYK	0.32, 0.60, 0.00, 0.54
HSL	268°, 43%, 32%
HSV	268°, 60%, 46%
XYZ	7.6556, 5.0937, 17.8252
YIQ	64.9610, -3.1230, 29.0770

Conversions

Conversions Part 2

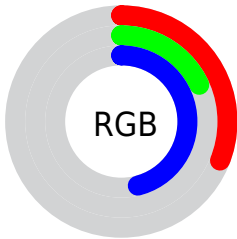
Format	Color
RYB	80, 47, 118
Decimal	5255030
CIELab	27.00, 30.59, -35.27
CIElCh	27, 46.687, 310.932
Yxy	5.0937, 0.2504, 0.1666
Android (android.graphics.Color)	4283445110 (0xFF502F76)
YUV	64.9610, 26.1482, 13.1892
Hunter-Lab	22.5692, 21.0526, -31.0289

Details

The CIELCh color $[27, 46.687, 310.932]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[46, 42.484, 125.247]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 46.557, 310.863]$, and $[7, 47.038, 310.971]$ is the 20% darker color. If you saturate the color by 10%, you get $[24, 54.193, 311.376]$, and if you desaturate by 10%, it is $[31, 38.800, 310.402]$.

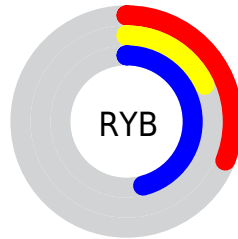
Distribution



Red (31%)

Green (18%)

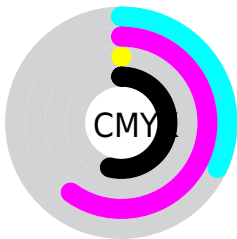
Blue (46%)



Red (31%)

Yellow (18%)

Blue (46%)

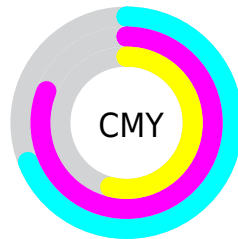


Cyan (32%)

Magenta (60%)

Yellow (0%)

Black (54%)



Cyan (69%)

Magenta (81%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 46.687, 310.932 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, 46.687, 310.932 by changing the saturation by 10% instead.

■ 27, 46.687,
310.932

■ 27, 46.687,
310.932

■ 100, 46.687,
310.932

■ 17, 46.687,
310.932

■ 47, 46.687,
310.932

■ 7, 46.687, 310.932

■ 57, 46.687,
310.932

■ 0, 46.687, 310.932

■ 67, 46.687,
310.932

■ 77, 46.687,
310.932

■ 87, 46.687,
310.932

■ 97, 46.687,

310.932

■ 27, 46.687,
310.932

■ 27, 46.687,
310.932

■ 24, 54.193,
311.376

■ 31, 38.800,
310.402

■ 21, 60.922,
311.653

■ 34, 30.800,
309.842

■ 18, 66.359,
311.656

■ 38, 22.850,
309.289

■ 16, 70.975,
311.570

■ 42, 15.043,
308.762

■ 46, 7.427, 308.271

■ 50, 0.025, 304.950

■ 54, 7.157, 127.451

■ 58, 14.119,
127.093

■ 61, 20.870,
126.780

Harmonies

Complementary

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



27, 46.687, 310.932



46, 42.484, 125.247

Rectangle

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



27, 46.687, 310.932



27, 46.687, 0.932



27, 46.687, 130.932



27, 46.687, 180.932

Sweetspot

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



27, 46.686, 310.932



55, 16.651, 308.682



35, 22.615, 261.176



27, 11.539, 308.801



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



27, 46.686, 310.932



30, 68.452, 311.505



32, 48.603, 325.797



23, 4.134, 308.224



17, 72.740, 311.530



39, 124.077, 310.922

Inverse Universe

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



31, 36.391, 347.986



37, 51.290, 350.368



44, 48.773, 138.634



23, 3.431, 342.457



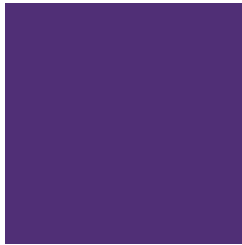
25, 49.830, 357.234



54, 83.900, 359.525

Previews

White Background



This preview shows how the CIE LCh color 27, 46.687, 310.932 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, 46.687, 310.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

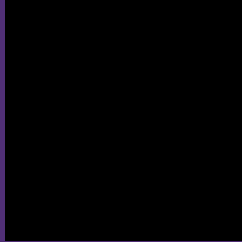
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 46.687, 310.932

Background



This preview shows how black text looks on a background with the CIELCh color 27, 46.687, 310.932.



This preview shows how white text looks on a background with the CIELCh color 27, 46.687, 310.932.

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, 46.687, 310.932

Protanopia

27, 45.709, 285.580

Deuteranopia

27, 33.494, 276.906



Tritanopia
27, 4.848, 338.200

Trichromacy



Original Color
27, 46.687, 310.932

Protanomaly
26, 45.650, 290.734

Deuteranomaly
26, 37.248, 288.871

Tritanomaly
27, 20.167, 313.402

Monochromacy



Original Color
27, 46.687, 310.932

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 17.081, 309.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 46.687, 310.932 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(80, 47, 118)` looks like.

```
.text, #text, p{  
    color:rgb(80, 47, 118)  
}
```

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(80, 47, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 47, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 46.687, 310.932 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(80, 47, 118) }
```

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

```
.border{ border-color:rgb(80, 47, 118) }
```

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

Here you see how a box with a 4 pixel rgb(80, 47, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 47, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 47, 118);  
box-shadow:4px 4px 4px 4px rgb(80, 47,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 46.687, 310.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 47, 118) }
```

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

```
.background{ background-color: rgb(80, 47,  
118) }
```

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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