

Converting Colors

CIELCh(27, 104.430, 306.296)

Have a look what the booklet for
CIELCh(27, 104.430, 306.296)
contains.

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Color

CIELCh(27, 104.439, 306.312)

Conversions

Conversions Part 1

Format	Color
Hex	2C13C6
RGB	44, 19, 198
RGB Percent	17%, 7%, 78%
CMY	0.8292, 0.9242, 0.2224
CMYK	0.78, 0.90, 0.00, 0.22
HSL	248°, 82%, 43%
HSV	248°, 90%, 78%
XYZ	11.4850, 5.0937, 53.9852
YIQ	46.8810, -42.5590, 60.9690

Conversions

Conversions Part 2

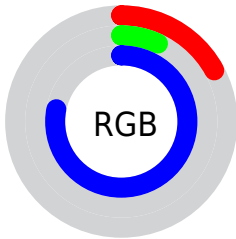
Format	Color
R_{YB}	44, 19, 198
Decimal	2888646
CIE _{Lab}	27.00, 61.85, -84.16
CIE _{LCh}	27, 104.439, 306.312
Yxy	5.0937, 0.1628, 0.0722
Android (android.graphics.Color)	4281078726 (0xFF2C13C6)
YUV	46.8810, 74.5017, -2.5266
Hunter-Lab	22.5692, 51.3388, -126.0224

Details

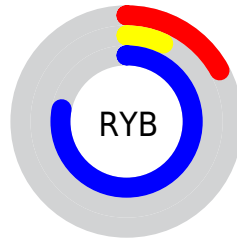
The CIELCh color **27, 104.439, 306.312** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **76, 78.897, 110.674**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 103.521, 306.314**, and **15, 86.542, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 109.870, 306.774**, and if you desaturate by 10%, it is **31, 95.570, 305.365**.

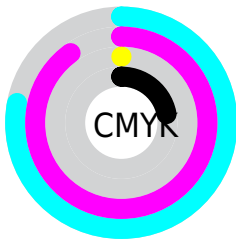
Distribution



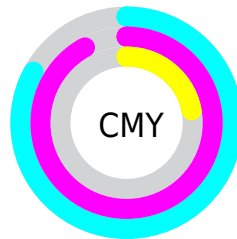
- Red (17%)
- Green (7%)
- Blue (78%)



- Red (17%)
- Yellow (7%)
- Blue (78%)



- Cyan (78%)
- Magenta (90%)
- Yellow (0%)
- Black (22%)





- Cyan (83%)
- Magenta (92%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 104.439, 306.312 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, 104.439, 306.312 by changing the saturation by 10% instead.


 27, 104.439,
306.312


 27, 104.439,
306.312


 100, 104.439,
306.312


 17, 104.439,
306.312


 47, 104.439,
306.312


 7, 104.439,
306.312


 57, 104.439,
306.312

 0, 104.439,
306.312

 67, 104.439,
306.312

 77, 104.439,
306.312

 87, 104.439,
306.312

 97, 104.439,

306.312

■ 27, 104.439,
306.312

■ 27, 104.439,
306.312

■ 25, 109.870,
306.774

■ 31, 95.570,
305.365

■ 36, 84.145,
304.003

■ 41, 71.591,
302.481

■ 47, 58.809,
300.975

■ 54, 46.242,
299.580

■ 60, 34.073,
298.336

■ 67, 22.358,
297.250

■ 73, 11.098,
296.311

■ 80, 0.273, 295.550

Harmonies

Complementary

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



27, 104.439, 306.312



76, 78.897, 110.674

Rectangle

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



27, 104.439, 306.312



27, 104.439, 356.312



27, 104.439, 126.312



27, 104.439, 176.312

Sweetspot

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



27, 104.441, 306.313



78, 37.091, 298.011



65, 35.798, 218.928



39, 25.166, 298.409



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



27, 104.441, 306.313



33, 132.919, 306.704



37, 96.741, 315.888



38, 6.146, 296.236



19, 94.976, 306.845



1, 21.595, 295.309

Inverse Universe

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



46, 84.719, 333.857



58, 103.740, 334.609



71, 90.378, 131.050



39, 6.726, 328.893



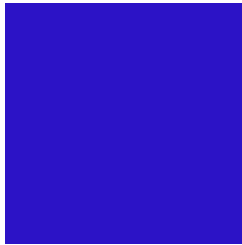
37, 74.517, 334.400



4, 23.777, 332.028

Previews

White Background



This preview shows how the CIELCh color 27, 104.439, 306.312 looks on a white background.

Color Contrast Check

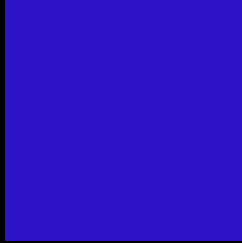
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 27, 104.439, 306.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

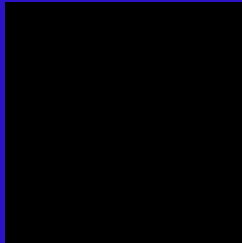
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 104.439, 306.312

Background



This preview shows how black text looks on a background with the CIELCh color 27, 104.439, 306.312.



This preview shows how white text looks on a background with the CIELCh color 27, 104.439, 306.312.

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, 104.377, 306.363

Protanopia

27, 44.515, 284.845

Deuteranopia

27, 31.111, 270.547



Tritanopia
27, 19.688, 202.278

Trichromacy



Original Color
27, 104.377, 306.363

Protanomaly
25, 70.131, 298.738

Deuteranomaly
25, 61.117, 296.212

Tritanomaly
24, 44.356, 289.249

Monochromacy



Original Color
27, 104.377, 306.363

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 43.936, 302.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 104.439, 306.312 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(44, 19, 198)` looks like.

```
.text, #text, p{  
    color:rgb(44, 19, 198)  
}
```

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(44, 19, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 19, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 104.439, 306.312 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(44, 19, 198) }
```

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

```
.border{ border-color:rgb(44, 19, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 19, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 19, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 19, 198);  
box-shadow:4px 4px 4px 4px rgb(44, 19,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 104.439, 306.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 19, 198) }
```

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

```
.background{ background-color: rgb(44, 19,  
198) }
```

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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