

Converting Colors

CIELCh(27, 96.001, 311.336)

Have a look what the booklet for
CIELCh(27, 96.001, 311.336)
contains.

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Color

CIELCh(27, 95.829, 311.308)

Conversions

Conversions Part 1

Format	Color
Hex	5400B2
RGB	84, 0, 178
RGB Percent	33%, 0%, 70%
CMY	0.6708, 1.0000, 0.3021
CMYK	0.53, 1.00, 0.00, 0.30
HSL	268°, 100%, 35%
HSV	268°, 100%, 70%
XYZ	11.6827, 5.0937, 42.4636
YIQ	45.4080, -7.0740, 73.1660

Conversions

Conversions Part 2

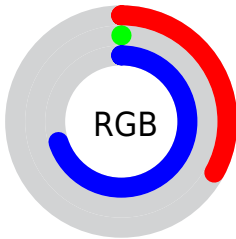
Format	Color
R_{YB}	84, 0, 178
Decimal	5505202
CIE _{Lab}	27.00, 63.26, -71.98
CIE _{LCh}	27, 95.829, 311.308
Yxy	5.0937, 0.1972, 0.0860
Android (android.graphics.Color)	4283695282 (0xFF5400B2)
YUV	45.4080, 65.3679, 33.8452
Hunter-Lab	22.5692, 52.9026, -95.7549

Details

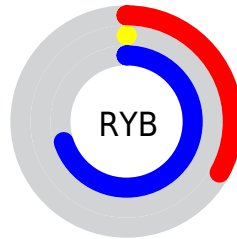
The CIELCh color **27, 95.829, 311.308** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **65, 82.487, 127.035**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 95.676, 311.281**, and **12, 78.458, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 95.814, 311.305**, and if you desaturate by 10%, it is **29, 91.154, 311.735**.

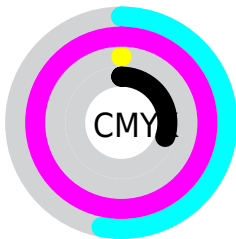
Distribution



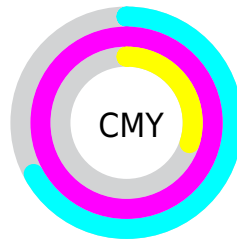
- Red (33%)
- Green (0%)
- Blue (70%)



- Red (33%)
- Yellow (0%)
- Blue (70%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)




- Cyan (67%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 95.829, 311.308 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, 95.829, 311.308 by changing the saturation by 10% instead.

 27, 95.829,
311.308

 27, 95.829,
311.308

 100, 95.829,
311.308


 17, 95.829,
311.308

 47, 95.829,
311.308


 7, 95.829, 311.308

 57, 95.829,
311.308

 0, 95.829, 311.308

 67, 95.829,
311.308

 77, 95.829,
311.308

 87, 95.829,
311.308

 97, 95.829,

311.308

■ 27, 95.829,
311.308

■ 27, 95.829,
311.308

■ 27, 95.814,
311.305

■ 29, 91.154,
311.735

■ 33, 84.316,
311.855

■ 36, 75.383,
311.649

■ 41, 65.135,
311.235

■ 46, 54.215,
310.710

■ 51, 43.062,
310.141

■ 56, 31.945,
309.573

■ 62, 21.018,
309.030

■ 67, 10.361,
308.524

Harmonies

Complementary

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



27, 95.829, 311.308



65, 82.487, 127.035

Rectangle

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



27, 95.829, 311.308



27, 95.829, 1.308



27, 95.829, 131.308



27, 95.829, 181.308

Sweetspot

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



27, 95.814, 311.305



72, 39.663, 309.602



40, 51.408, 280.458



36, 27.412, 309.838



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



27, 95.814, 311.305



36, 117.090, 311.112



41, 88.368, 326.924



35, 5.876, 308.491



23, 85.599, 311.439



1, 13.780, 304.323

Inverse Universe

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



38, 65.092, 359.227



50, 79.237, 359.988



63, 91.261, 135.871



35, 4.848, 342.865



33, 58.313, 358.713



2, 10.782, 348.287

Previews

White Background



This preview shows how the CIELCh color 27, 95.829, 311.308 looks on a white background.

Color Contrast Check

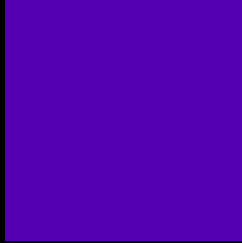
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.829, 311.308 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, 95.829, 311.308

Background



This preview shows how black text looks on a background with the CIELCh color 27, 95.829, 311.308.



This preview shows how white text looks on a background with the CIELCh color 27, 95.829, 311.308.

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

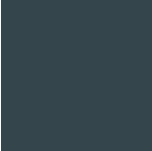
27, 95.829, 311.308

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 32.204, 271.215



Tritanopia
28, 7.726, 228.853

Trichromacy



Original Color
27, 95.829, 311.308

Protanomaly
24, 70.791, 300.990

Deuteranomaly
23, 61.994, 299.339

Tritanomaly
24, 45.016, 306.144

Monochromacy



Original Color
27, 95.829, 311.308

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 43.784, 311.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 95.829, 311.308 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(84, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 178)  
}
```

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(84, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 95.829, 311.308 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(84, 0, 178) }
```

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

```
.border{ border-color:rgb(84, 0, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 0, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(84, 0, 178)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 95.829, 311.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 0, 178) }
```

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

```
.background{ background-color: rgb(84, 0,  
178) }
```

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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