

Converting Colors

CIELCh(22, 96.347, 297.251)

Have a look what the booklet for
CIELCh(22, 96.347, 297.251)
contains.

CIELCh(27, 91.939, 302.310)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 91.939, 302.310)

Conversions

Conversions Part 1

Format	Color
Hex	0627BB
RGB	6, 39, 187
RGB Percent	2%, 15%, 73%
CMY	0.9765, 0.8469, 0.2655
CMYK	0.97, 0.79, 0.00, 0.27
HSL	229°, 94%, 38%
HSV	229°, 97%, 73%
XYZ	9.8035, 5.0937, 47.6480
YIQ	46.0050, -67.1760, 39.0320

Conversions

Conversions Part 2

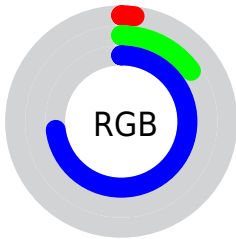
Format	Color
RYB	6, 34, 187
Decimal	403387
CIELab	27.00, 49.14, -77.70
CIELCh	27, 91.939, 302.310
Yxy	5.0937, 0.1567, 0.0814
Android (android.graphics.Color)	4278593467 (0xFF0627BB)
YUV	46.0050, 69.5105, -35.0844
Hunter-Lab	22.5692, 38.0398, -109.3746

Details

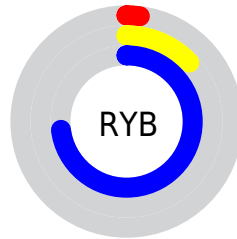
The CIELCh color **27, 91.939, 302.310** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **65, 67.703, 89.807**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 92.277, 302.393**, and **14, 82.076, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **26, 94.614, 303.016**, and if you desaturate by 10%, it is **31, 82.582, 299.668**.

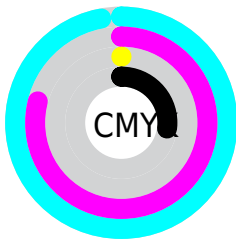
Distribution



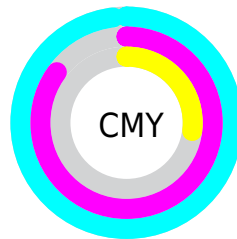
- Red (2%)
- Green (15%)
- Blue (73%)



- Red (2%)
- Yellow (13%)
- Blue (73%)



- Cyan (97%)
- Magenta (79%)
- Yellow (0%)
- Black (27%)





- Cyan (98%)
- Magenta (85%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 91.939, 302.310 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, 91.939, 302.310 by changing the saturation by 10% instead.

 27, 91.939,
302.310


 27, 91.939,
302.310

 100, 91.939,
302.310


 17, 91.939,
302.310


 47, 91.939,
302.310


 7, 91.939, 302.310

 57, 91.939,
302.310

 0, 91.939, 302.310

 67, 91.939,
302.310

 77, 91.939,
302.310

 87, 91.939,
302.310

 97, 91.939,

302.310

■ 27, 91.939,
302.310

■ 27, 91.939,
302.310

■ 26, 94.614,
303.016

■ 31, 82.582,
299.668

■ 35, 72.343,
296.780

■ 40, 61.949,
293.920

■ 45, 51.762,
291.263

■ 50, 41.905,
288.892

■ 56, 32.396,
286.827

■ 61, 23.214,
285.051

■ 67, 14.329,
283.534

■ 72, 5.719, 282.246

Harmonies

Complementary

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



27, 91.939, 302.310



65, 67.703, 89.807

Rectangle

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



27, 91.939, 302.310



27, 91.939, 352.310



27, 91.939, 122.310



27, 91.939, 172.310

Sweetspot

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



27, 91.940, 302.311



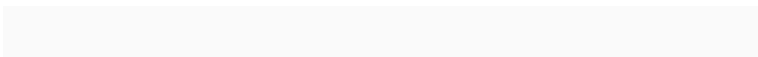
76, 31.088, 285.498



68, 47.723, 173.089



38, 21.655, 286.257



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



27, 91.940, 302.311



34, 116.242, 303.395



26, 101.050, 308.559



37, 4.811, 282.553



21, 82.582, 302.698



2, 15.184, 284.927

Inverse Universe

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



39, 72.878, 29.270



51, 91.280, 31.724



70, 80.592, 120.393



37, 4.209, 5.395



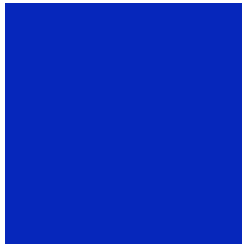
33, 65.358, 30.051



3, 12.486, 9.024

Previews

White Background



This preview shows how the CIE LCh color 27, 91.939, 302.310 looks on a white background.

Color Contrast Check

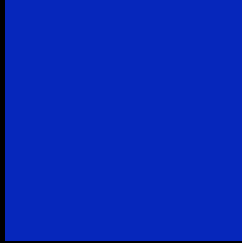
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.939, 302.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

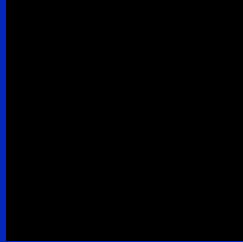
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 91.939, 302.310

Background



This preview shows how black text looks on a background with the CIELCh color 27, 91.939, 302.310.



This preview shows how white text looks on a background with the CIELCh color 27, 91.939, 302.310.

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, 91.815, 302.307

Protanopia

27, 44.515, 284.845

Deuteranopia

27, 30.573, 269.740



Tritanopia
27, 19.396, 204.388

Trichromacy



Original Color
27, 91.815, 302.307

Protanomaly
26, 62.526, 294.670

Deuteranomaly
26, 53.394, 291.125

Tritanomaly
25, 38.086, 281.385

Monochromacy



Original Color
27, 91.815, 302.307

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 36.651, 293.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 91.939, 302.310 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(6, 39, 187)` looks like.

```
.text, #text, p{  
    color:rgb(6, 39, 187)  
}
```

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(6, 39, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 39, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 91.939, 302.310 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(6, 39, 187) }
```

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

```
.border{ border-color:rgb(6, 39, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 39, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 39, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 39, 187);  
box-shadow:4px 4px 4px 4px rgb(6, 39, 187)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 91.939, 302.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 39, 187) }
```

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

```
.background{ background-color: rgb(6, 39,  
187) }
```

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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