

Converting Colors

CIELCh(27, 94.657, 302.564)

Have a look what the booklet for
CIELCh(27, 94.657, 302.564)
contains.

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Color

CIELCh(27, 94.469, 302.534)

Conversions

Conversions Part 1

Format	Color
Hex	0026BF
RGB	0, 38, 191
RGB Percent	0%, 15%, 75%
CMY	1.0000, 0.8524, 0.2527
CMYK	1.00, 0.80, 0.00, 0.25
HSL	228°, 100%, 37%
HSV	228°, 100%, 75%
XYZ	10.0137, 5.0937, 49.4980
YIQ	44.0800, -71.7610, 39.5270

Conversions

Conversions Part 2

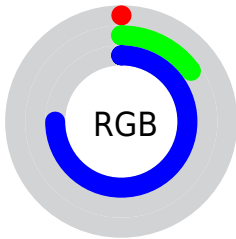
Format	Color
RYB	0, 32, 191
Decimal	9919
CIELab	27.00, 50.81, -79.64
CIELCh	27, 94.469, 302.534
Yxy	5.0937, 0.1550, 0.0788
Android (android.graphics.Color)	4278199999 (0xFF0026BF)
YUV	44.0800, 72.4316, -38.6582
Hunter-Lab	22.5692, 39.7023, -114.2346

Details

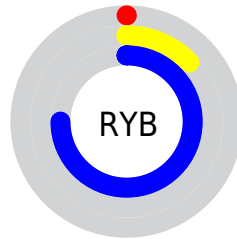
The CIELCh color **27, 94.469, 302.534** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **65, 68.707, 88.049**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 94.372, 302.463**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 94.441, 302.575**, and if you desaturate by 10%, it is **30, 85.338, 299.997**.

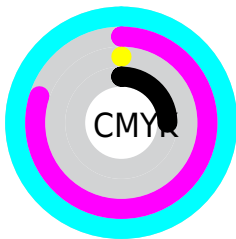
Distribution



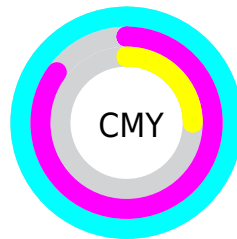
- Red (0%)
- Green (15%)
- Blue (75%)



- Red (0%)
- Yellow (13%)
- Blue (75%)



- Cyan (100%)
- Magenta (80%)
- Yellow (0%)
- Black (25%)




- Cyan (100%)
- Magenta (85%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 94.469, 302.534 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, 94.469, 302.534 by changing the saturation by 10% instead.

 27, 94.469,
302.534


 27, 94.469,
302.534

 100, 94.469,
302.534


 17, 94.469,
302.534

 47, 94.469,
302.534


 7, 94.469, 302.534

 57, 94.469,
302.534

 0, 94.469, 302.534

 67, 94.469,
302.534

 77, 94.469,
302.534

 87, 94.469,
302.534

 97, 94.469,

302.534

■ 27, 94.469,
302.534

■ 27, 94.469,
302.534

■ 27, 94.441,
302.575

■ 30, 85.338,
299.997

■ 35, 75.235,
297.066

■ 39, 64.875,
294.111

■ 44, 54.673,
291.330

■ 50, 44.784,
288.828

■ 55, 35.236,
286.638

■ 61, 26.011,
284.749

■ 66, 17.081,
283.133

■ 72, 8.421, 281.756

Harmonies

Complementary

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



27, 94.469, 302.534



65, 68.707, 88.049

Rectangle

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



27, 94.469, 302.534



27, 94.469, 352.534



27, 94.469, 122.534



27, 94.469, 172.534

Sweetspot

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



27, 94.441, 302.575



77, 32.171, 284.833



69, 49.970, 170.802



38, 22.276, 285.610



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



27, 94.441, 302.575



36, 116.424, 302.974



26, 104.342, 308.307



37, 4.730, 281.674



22, 81.254, 302.208



2, 15.004, 284.375

Inverse Universe

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



40, 74.858, 29.766



52, 91.838, 30.704



71, 82.125, 119.910



37, 4.231, 4.236



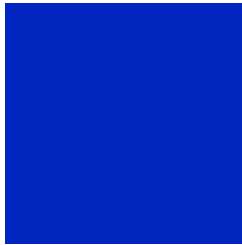
33, 64.719, 28.924



3, 12.524, 8.182

Previews

White Background



This preview shows how the CIE LCh color 27, 94.469, 302.534 looks on a white background.

Color Contrast Check

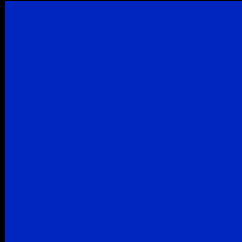
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.469, 302.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

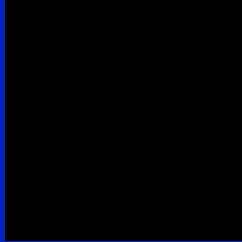
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 94.469, 302.534

Background



This preview shows how black text looks on a background with the CIELCh color 27, 94.469, 302.534.



This preview shows how white text looks on a background with the CIELCh color 27, 94.469, 302.534.

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, 94.469, 302.534

Protanopia

27, 45.112, 285.217

Deuteranopia

27, 31.111, 270.547



Tritanopia
27, 19.688, 202.278

Trichromacy



Original Color
27, 94.469, 302.534

Protanomaly
26, 64.408, 295.294

Deuteranomaly
26, 54.616, 291.467

Tritanomaly
25, 38.076, 280.749

Monochromacy



Original Color
27, 94.469, 302.534

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 37.444, 292.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 94.469, 302.534 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(0, 38, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 38, 191)  
}
```

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(0, 38, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 38, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 94.469, 302.534 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(0, 38, 191) }
```

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

```
.border{ border-color:rgb(0, 38, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 38, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 38, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 38, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 38, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 94.469, 302.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 38, 191) }
```

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

```
.background{ background-color: rgb(0, 38,  
191) }
```

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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