

Converting Colors

CIELCh(42, 109.035, 302.765)

Have a look what the booklet for
CIELCh(42, 109.035, 302.765)
contains.

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Color

CIELCh(42, 109.281, 302.800)

Conversions

Conversions Part 1

Format	Color
Hex	4443FF
RGB	68, 67, 255
RGB Percent	27%, 26%, 100%
CMY	0.7352, 0.7362, 0.0000
CMYK	0.74, 0.74, 0.00, 0.00
HSL	240°, 100%, 63%
HSV	240°, 74%, 100%
XYZ	22.4771, 12.5000, 96.1191
YIQ	88.7310, -59.7520, 58.6800

Conversions

Conversions Part 2

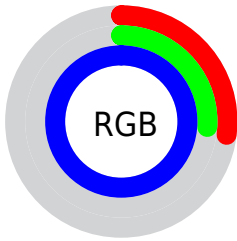
Format	Color
R _Y B	68, 67, 255
Decimal	4473855
CIE Lab	42.00, 59.20, -91.86
CIE LCh	42, 109.281, 302.800
Yxy	12.5000, 0.1715, 0.0953
Android (android.graphics.Color)	4282663935 (0xFF4443FF)
YUV	88.7310, 81.9706, -18.1811
Hunter-Lab	35.3553, 51.6092, -136.4405

Details

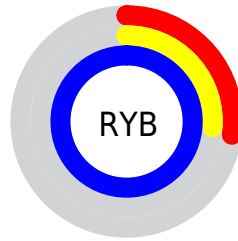
The CIELCh color **42, 109.281, 302.800** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **97, 85.567, 103.736**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 78.260, 302.840**, and **25, 105.845, 305.172** is the 20% darker color. If you saturate the color by 10%, you get **37, 122.289, 304.674**, and if you desaturate by 10%, it is **49, 93.673, 300.593**.

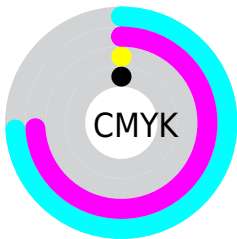
Distribution



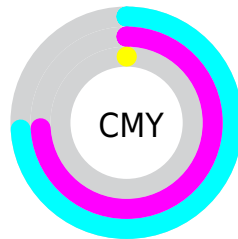
- Red (27%)
- Green (26%)
- Blue (100%)



- Red (27%)
- Yellow (26%)
- Blue (100%)



- Cyan (74%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (74%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 109.281, 302.800 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 42, 109.281, 302.800 by changing the saturation by 10% instead.


 42, 109.281,
302.800


 42, 109.281,
302.800


 100, 109.281,
302.800


 32, 109.281,
302.800


 62, 109.281,
302.800


 22, 109.281,
302.800


 72, 109.281,
302.800


 12, 109.281,
302.800

 82, 109.281,
302.800

 2, 109.281,
302.800

 92, 109.281,
302.800

 0, 109.281,
302.800

 42, 109.281,

 42, 109.281,

302.800

302.800

■ 37, 122.289,
304.674

■ 49, 93.673,
300.593

■ 33, 130.900,
305.885

■ 56, 77.651,
298.384

■ 32, 133.810,
306.290

■ 64, 61.882,
296.345

■ 72, 46.671,
294.550

■ 81, 32.090,
293.008

■ 89, 18.122,
291.699

■ 97, 4.726, 290.603

■ 100, 0.012,
296.813

Harmonies

Complementary

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



42, 109.281, 302.800



97, 85.567, 103.736

Rectangle

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



42, 109.281, 302.800



42, 109.281, 352.800



42, 109.281, 122.800



42, 109.281, 172.800

Sweetspot

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



42, 109.115, 302.793



82, 29.789, 292.781



92, 46.460, 196.596



41, 20.131, 293.164



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 109.115, 302.793



35, 126.749, 305.304



51, 104.982, 312.531



49, 7.504, 291.223



23, 107.774, 306.291



3, 44.130, 301.785

Inverse Universe

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



64, 103.995, 327.931



61, 112.618, 328.196



91, 93.797, 126.344



50, 9.049, 324.982



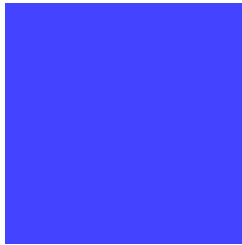
45, 92.988, 328.284



12, 42.784, 328.278

Previews

White Background



This preview shows how the CIELCh color 42, 109.281, 302.800 looks on a white background.

Color Contrast Check

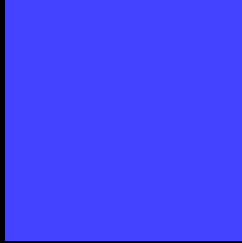
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 109.281, 302.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

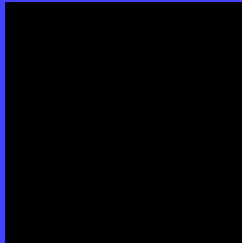
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 109.281, 302.800

Background



This preview shows how black text looks on a background with the CIELCh color 42, 109.281, 302.800.

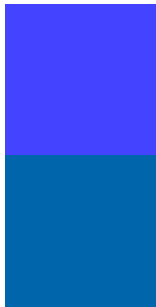


This preview shows how white text looks on a background with the CIELCh color 42, 109.281, 302.800.

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

42, 109.245, 302.862

Deuteranopia

42, 43.785, 272.815

Trichromacy



Original Color

42, 109.245, 302.862



Deuteranomaly

41, 67.736, 290.421

Monochromacy



Original Color

42, 109.245, 302.862



Achromatopsia

38, 0.005, 296.813



Achromatomaly

37, 41.854, 296.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 109.281, 302.800 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(68, 67, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 67, 255)  
}
```

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(68, 67, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 67, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 109.281, 302.800 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(68, 67, 255) }
```

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

```
.border{ border-color:rgb(68, 67, 255) }
```

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

Here you see how a box with a 4 pixel rgb(68, 67, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 67, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 67, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 67,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 109.281, 302.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 67, 255) }
```

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

```
.background{ background-color: rgb(68, 67,  
255) }
```

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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