

Converting Colors

CIELCh(42, 87.207, 300.211)

Have a look what the booklet for
CIELCh(42, 87.207, 300.211)
contains.

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Color

CIELCh(42, 87.104, 300.144)

Conversions

Conversions Part 1

Format	Color
Hex	494FE2
RGB	73, 79, 226
RGB Percent	29%, 31%, 89%
CMY	0.7137, 0.6902, 0.1137
CMYK	0.68, 0.65, 0.00, 0.11
HSL	238°, 73%, 59%
HSV	238°, 68%, 89%
XYZ	19.2719, 12.5000, 73.3497
YIQ	93.9640, -50.7630, 44.4450

Conversions

Conversions Part 2

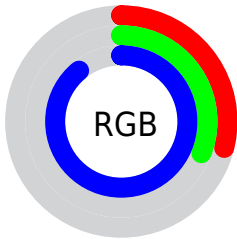
Format	Color
R_{YB}	73, 79, 226
Decimal	4804578
CIE _{Lab}	42.00, 43.74, -75.32
CIE _{LCh}	42, 87.104, 300.144
Yxy	12.5000, 0.1833, 0.1189
Android (android.graphics.Color)	4282994658 (0xFF494FE2)
YUV	93.9640, 65.0937, -18.3854
Hunter-Lab	35.3553, 35.4269, -98.2569

Details

The CIELCh color **42, 87.104, 300.144** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **86, 71.036, 102.065**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 70.912, 299.478**, and **24, 85.399, 302.227** is the 20% darker color. If you saturate the color by 10%, you get **36, 100.562, 302.461**, and if you desaturate by 10%, it is **49, 73.073, 297.801**.

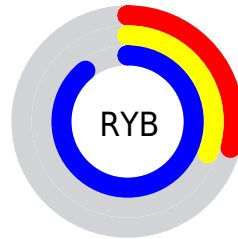
Distribution



Red (29%)

Green (31%)

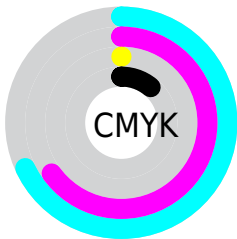
Blue (89%)



Red (29%)

Yellow (31%)

Blue (89%)

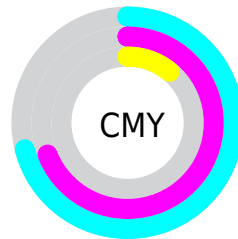


Cyan (68%)

Magenta (65%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (69%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 87.104, 300.144 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, 87.104, 300.144 by changing the saturation by 10% instead.

 42, 87.104,
300.144


 42, 87.104,
300.144


 100, 87.104,
300.144


 32, 87.104,
300.144

 62, 87.104,
300.144


 22, 87.104,
300.144

 72, 87.104,
300.144

 12, 87.104,
300.144

 82, 87.104,
300.144

 2, 87.104, 300.144

 92, 87.104,
300.144

 0, 87.104, 300.144

 42, 87.104,

 42, 87.104,

300.144

300.144

■ 36, 100.562,
302.461

■ 49, 73.073,
297.801

■ 32, 111.977,
304.443

■ 55, 59.219,
295.619

■ 29, 119.461,
305.753

■ 63, 45.830,
293.686

■ 29, 120.529,
305.921

■ 70, 32.977,
292.016

■ 77, 20.648,
290.592

■ 84, 8.809, 289.388

■ 92, 2.578, 108.317

■ 99, 13.549,
107.470

99, 14.672,
109.069

Harmonies

Complementary

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



42, 87.104, 300.144



86, 71.036, 102.065

Rectangle

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



42, 87.104, 300.144



42, 87.104, 350.144



42, 87.104, 120.144



42, 87.104, 170.144

Sweetspot

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



42, 87.104, 300.145



84, 25.867, 290.918



82, 41.775, 190.976



43, 17.748, 291.313



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, 87.104, 300.145



39, 115.360, 303.283



47, 88.745, 311.018



43, 6.485, 289.583



21, 99.484, 305.788



2, 30.772, 295.038

Inverse Universe

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



53, 66.765, 27.191



56, 88.208, 32.332



83, 78.800, 124.504



44, 4.729, 16.766



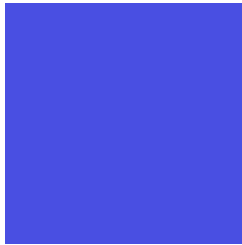
36, 77.426, 38.345



6, 25.450, 19.296

Previews

White Background



This preview shows how the CIE LCh color 42, 87.104, 300.144 looks on a white background.

Color Contrast Check

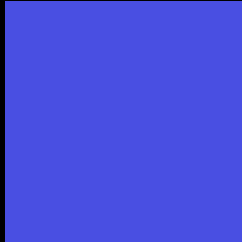
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 87.104, 300.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

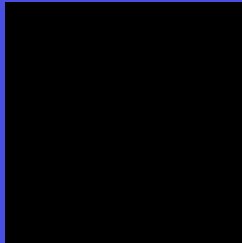
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 87.104, 300.144

Background



This preview shows how black text looks on a background with the CIELCh color 42, 87.104, 300.144.



This preview shows how white text looks on a background with the CIELCh color 42, 87.104, 300.144.

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, 87.104, 300.144

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 44.817, 273.791



Tritanopia
42, 25.908, 207.544

Trichromacy



Original Color
42, 87.104, 300.144

Protanomaly
41, 72.754, 292.004

Deuteranomaly
41, 60.105, 287.023

Tritanomaly
40, 38.070, 270.757

Monochromacy



Original Color
42, 87.104, 300.144

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 32.339, 293.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 87.104, 300.144 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(73, 79, 226)` looks like.

```
.text, #text, p{  
    color:rgb(73, 79, 226)  
}
```

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(73, 79, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 79, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 87.104, 300.144 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(73, 79, 226) }
```

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

```
.border{ border-color:rgb(73, 79, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 79, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 79, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 79, 226);  
box-shadow:4px 4px 4px 4px rgb(73, 79,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 87.104, 300.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 79, 226) }
```

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

```
.background{ background-color: rgb(73, 79,  
226) }
```

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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