

Converting Colors

CIELCh(42, 106.211, 300.934)

Have a look what the booklet for
CIELCh(42, 106.211, 300.934)
contains.

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Color

CIELCh(42, 106.524, 301.025)

Conversions

Conversions Part 1

Format	Color
Hex	3248FE
RGB	50, 72, 254
RGB Percent	20%, 28%, 100%
CMY	0.8057, 0.7168, 0.0029
CMYK	0.81, 0.72, 0.00, 0.00
HSL	233°, 99%, 60%
HSV	233°, 81%, 100%
XYZ	21.5534, 12.5000, 95.2604
YIQ	86.1700, -71.5340, 51.9380

Conversions

Conversions Part 2

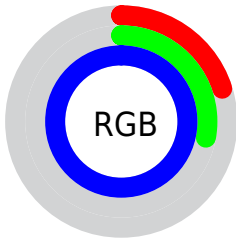
Format	Color
RYB	50, 70, 254
Decimal	3295486
CIELab	42.00, 54.90, -91.28
CIElCh	42, 106.524, 301.025
Yxy	12.5000, 0.1667, 0.0967
Android (android.graphics.Color)	4281485566 (0xFF3248FE)
YUV	86.1700, 82.7402, -31.7211
Hunter-Lab	35.3553, 46.9460, -135.0005

Details

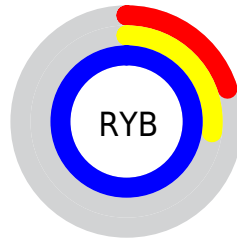
The CIELCh color `42, 106.524, 301.025` is a dark color, and the websafe version is hex `3333FF`. The color can be described as dark washed blue. A complement of this color would be `91, 83.248, 96.731`, and the grayscale version is `36, 0.005, 296.813`.

A 20% lighter version of the original color is `58, 75.244, 299.663`, and `26, 102.524, 304.374` is the 20% darker color. If you saturate the color by 10%, you get `37, 119.010, 303.393`, and if you desaturate by 10%, it is `48, 92.449, 298.394`.

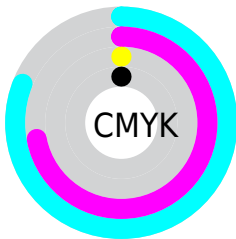
Distribution



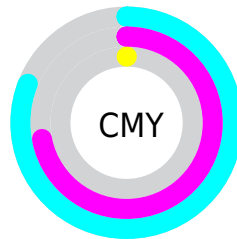
- Red (20%)
- Green (28%)
- Blue (100%)



- Red (20%)
- Yellow (27%)
- Blue (100%)



- Cyan (81%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 106.524, 301.025 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, 106.524, 301.025 by changing the saturation by 10% instead.


 42, 106.524,
301.025


 42, 106.524,
301.025


 100, 106.524,
301.025


 32, 106.524,
301.025


 62, 106.524,
301.025


 22, 106.524,
301.025


 72, 106.524,
301.025

 12, 106.524,
301.025


 82, 106.524,
301.025

 2, 106.524,
301.025

 92, 106.524,
301.025

 0, 106.524,
301.025

 42, 106.524,

 42, 106.524,

301.025

■ 37, 119.010,
303.393

■ 34, 127.811,
305.074

301.025

■ 48, 92.449,
298.394

■ 55, 78.034,
295.783

■ 62, 63.891,
293.372

■ 69, 50.238,
291.238

■ 77, 37.113,
289.395

■ 84, 24.492,
287.821

■ 92, 12.336,
286.485

■ 99, 0.608, 285.552

100, 0.364,
109.938

Harmonies

Complementary

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



42, 106.524, 301.025



91, 83.248, 96.731

Rectangle

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



42, 106.524, 301.025



42, 106.524, 351.025



42, 106.524, 121.025



42, 106.524, 171.025

Sweetspot

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



42, 106.525, 301.026



82, 28.900, 288.341



91, 52.513, 182.399



41, 19.986, 288.904



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, 106.525, 301.026



35, 125.707, 304.632



44, 113.786, 309.821



49, 6.673, 286.362



25, 102.165, 304.796



5, 40.605, 299.738

Inverse Universe

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



56, 84.005, 27.331



54, 97.588, 34.989



92, 95.992, 122.169



50, 5.299, 11.026



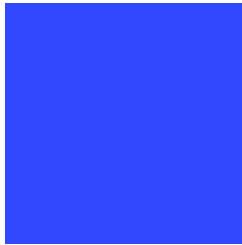
40, 79.458, 35.394



10, 32.529, 22.669

Previews

White Background



This preview shows how the CIE LCh color 42, 106.524, 301.025 looks on a white background.

Color Contrast Check

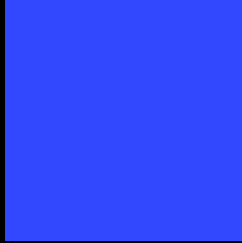
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.524, 301.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

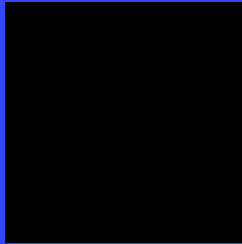
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 106.524, 301.025

Background



This preview shows how black text looks on a background with the CIELCh color 42, 106.524, 301.025.



This preview shows how white text looks on a background with the CIELCh color 42, 106.524, 301.025.

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, 106.500, 301.072

Protanopia

41, 63.626, 286.905

Deuteranopia

42, 43.785, 272.815



Tritanopia
41, 26.048, 204.689

Trichromacy



Original Color
42, 106.500, 301.072

Protanomaly
41, 79.762, 293.831

Deuteranomaly
41, 66.522, 289.251

Tritanomaly
40, 44.079, 276.008

Monochromacy



Original Color
42, 106.500, 301.072

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 40.730, 293.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 106.524, 301.025 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(50, 72, 254)` looks like.

```
.text, #text, p{  
    color:rgb(50, 72, 254)  
}
```

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(50, 72, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 72, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 106.524, 301.025 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(50, 72, 254) }
```

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

```
.border{ border-color:rgb(50, 72, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 72, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 72, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 72, 254);  
box-shadow:4px 4px 4px 4px rgb(50, 72,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 106.524, 301.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 72, 254) }
```

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

```
.background{ background-color: rgb(50, 72,  
254) }
```

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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