

Converting Colors

CIELCh(42, 110.271, 304.554)

Have a look what the booklet for
CIELCh(42, 110.271, 304.554)
contains.

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Color

CIELCh(42, 110.705, 304.610)

Conversions

Conversions Part 1

Format	Color
Hex	543EFE
RGB	84, 62, 254
RGB Percent	33%, 24%, 100%
CMY	0.6702, 0.7567, 0.0037
CMYK	0.67, 0.76, 0.00, 0.00
HSL	247°, 99%, 62%
HSV	247°, 76%, 100%
XYZ	23.2894, 12.5000, 95.0058
YIQ	90.4660, -48.5200, 64.3760

Conversions

Conversions Part 2

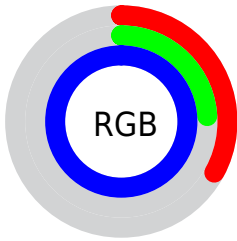
Format	Color
R_{YB}	84, 62, 254
Decimal	5521150
CIE _{Lab}	42.00, 62.88, -91.11
CIE _{LCh}	42, 110.705, 304.610
Yxy	12.5000, 0.1781, 0.0956
Android (android.graphics.Color)	4283711230 (0xFF543EFE)
YUV	90.4660, 80.6223, -5.6707
Hunter-Lab	35.3553, 55.7102, -134.5735

Details

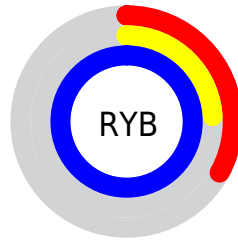
The CIELCh color $42, 110.705, 304.610$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as dark washed blue. A complement of this color would be $95, 87.308, 109.548$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 80.686, 305.688$, and $24, 108.412, 305.945$ is the 20% darker color. If you saturate the color by 10%, you get $37, 122.933, 305.845$, and if you desaturate by 10%, it is $48, 95.975, 303.044$.

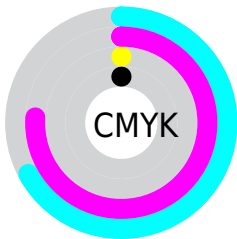
Distribution



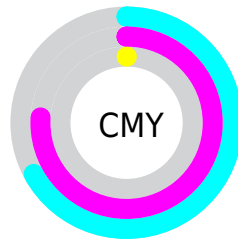
- Red (33%)
- Green (24%)
- Blue (100%)



- Red (33%)
- Yellow (24%)
- Blue (100%)



- Cyan (67%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (76%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 110.705, 304.610 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, 110.705, 304.610 by changing the saturation by 10% instead.


 42, 110.705,
304.610


 42, 110.705,
304.610


 100, 110.705,
304.610


 32, 110.705,
304.610


 62, 110.705,
304.610


 22, 110.705,
304.610


 72, 110.705,
304.610


 12, 110.705,
304.610


 82, 110.705,
304.610

 2, 110.705,
304.610

 92, 110.705,
304.610

 0, 110.705,
304.610

 42, 110.705,

 42, 110.705,

304.610

304.610

■ 37, 122.933,
305.845

■ 48, 95.975,
303.044

■ 34, 130.663,
306.471

■ 56, 80.355,
301.395

■ 33, 132.757,
306.605

■ 63, 64.745,
299.822

■ 71, 49.545,
298.400

■ 79, 34.895,
297.150

■ 87, 20.824,
296.071

■ 95, 7.314, 295.147

100, 0.463,
109.976

Harmonies

Complementary

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



42, 110.705, 304.610



95, 87.308, 109.548

Rectangle

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



42, 110.705, 304.610



42, 110.705, 354.610



42, 110.705, 124.610



42, 110.705, 174.610

Sweetspot

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



42, 110.706, 304.611



82, 31.308, 296.857



86, 42.198, 210.875



41, 21.831, 297.272



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, 110.706, 304.611



35, 128.159, 306.274



52, 106.090, 315.294



49, 7.533, 295.492



23, 107.105, 306.676



4, 44.390, 303.990

Inverse Universe

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



62, 97.325, 332.162



59, 104.420, 333.008



90, 98.119, 129.581



50, 8.370, 328.260



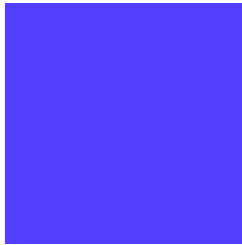
44, 85.052, 333.417



12, 39.553, 332.723

Previews

White Background



This preview shows how the CIELCh color 42, 110.705, 304.610 looks on a white background.

Color Contrast Check

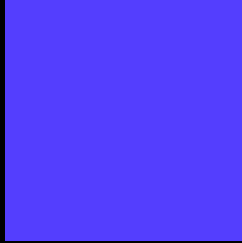
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.705, 304.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

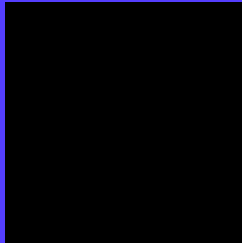
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 110.705, 304.610

Background



This preview shows how black text looks on a background with the CIELCh color 42, 110.705, 304.610.



This preview shows how white text looks on a background with the CIELCh color 42, 110.705, 304.610.

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, 110.705, 304.610

Protanopia

42, 63.000, 286.452

Deuteranopia

42, 43.785, 272.815



Tritanopia
42, 25.908, 207.544

Trichromacy



Original Color
42, 110.705, 304.610

Protanomaly
41, 81.564, 295.267

Deuteranomaly
40, 68.955, 291.576

Tritanomaly
39, 46.617, 280.766

Monochromacy



Original Color
42, 110.705, 304.610

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 43.136, 299.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 110.705, 304.610 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(84, 62, 254)` looks like.

```
.text, #text, p{  
    color:rgb(84, 62, 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(84, 62, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 62, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 110.705, 304.610 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(84, 62, 254) }
```

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

```
.border{ border-color:rgb(84, 62, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 62, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 62, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 62, 254);  
box-shadow:4px 4px 4px 4px rgb(84, 62,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 110.705, 304.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 62, 254) }
```

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

```
.background{ background-color: rgb(84, 62,  
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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