

Converting Colors

CIELCh(42, 114.608, 307.171)

Have a look what the booklet for
CIELCh(42, 114.608, 307.171)
contains.

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Color

CIELCh(42, 114.797, 307.204)

Conversions

Conversions Part 1

Format	Color
Hex	6734FF
RGB	103, 52, 255
RGB Percent	40%, 20%, 100%
CMY	0.5973, 0.7971, 0.0011
CMYK	0.60, 0.80, 0.00, 0.00
HSL	255°, 100%, 60%
HSV	255°, 80%, 100%
XYZ	24.7790, 12.5000, 95.4839
YIQ	90.3910, -34.7670, 73.9450

Conversions

Conversions Part 2

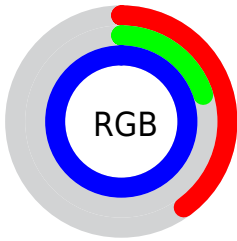
Format	Color
R _Y B	103, 52, 255
Decimal	6763775
CIE Lab	42.00, 69.41, -91.43
CIE LCh	42, 114.797, 307.204
Yxy	12.5000, 0.1866, 0.0942
Android (android.graphics.Color)	4284953855 (0xFF6734FF)
YUV	90.3910, 81.1522, 11.0581
Hunter-Lab	35.3553, 63.2311, -135.3753

Details

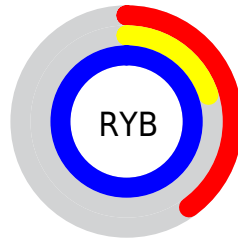
The CIELCh color $42, 114.797, 307.204$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as middle washed purple. A complement of this color would be $94, 92.395, 116.289$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 84.893, 309.818$, and $24, 110.190, 306.287$ is the 20% darker color. If you saturate the color by 10%, you get $38, 124.942, 307.656$, and if you desaturate by 10%, it is $48, 101.544, 306.352$.

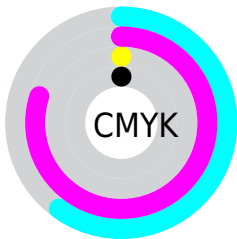
Distribution



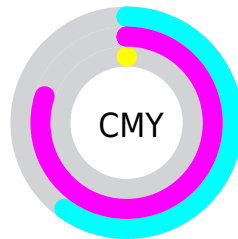
- Red (40%)
- Green (20%)
- Blue (100%)



- Red (40%)
- Yellow (20%)
- Blue (100%)



- Cyan (60%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 114.797, 307.204 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, 114.797, 307.204 by changing the saturation by 10% instead.


 42, 114.797,
307.204


 42, 114.797,
307.204


 100, 114.797,
307.204


 32, 114.797,
307.204


 62, 114.797,
307.204


 22, 114.797,
307.204


 72, 114.797,
307.204


 12, 114.797,
307.204


 82, 114.797,
307.204

 2, 114.797,
307.204

 92, 114.797,
307.204

 0, 114.797,
307.204

 42, 114.797,

 42, 114.797,

307.204

307.204

■ 38, 124.942,
307.656

■ 48, 101.544,
306.352

■ 35, 130.903,
307.594

■ 55, 86.723,
305.302

■ 35, 131.060,
307.592

■ 62, 71.397,
304.208

■ 69, 56.152,
303.157

■ 77, 41.271,
302.195

■ 85, 26.869,
301.335

■ 92, 12.980,
300.580

100, 0.127,
109.560

Harmonies

Complementary

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



42, 114.797, 307.204



94, 92.395, 116.289

Rectangle

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



42, 114.797, 307.204



42, 114.797, 357.204



42, 114.797, 127.204



42, 114.797, 177.204

Sweetspot

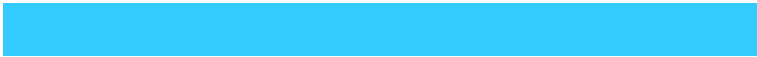
The Sweet Spot groups the original color and five complimentary colors.



42, 114.798, 307.205



81, 33.046, 301.693



77, 42.040, 238.506



41, 22.852, 302.003



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, 114.798, 307.205



36, 129.170, 307.647



55, 108.991, 319.732



49, 7.622, 300.567



25, 105.447, 307.727



4, 44.660, 306.601

Inverse Universe

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



60, 91.158, 338.935



57, 95.036, 341.138



89, 106.076, 133.381



50, 7.602, 332.970



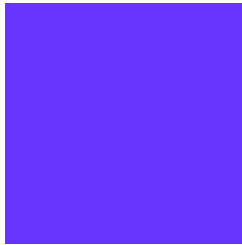
43, 76.797, 341.465



11, 36.100, 339.484

Previews

White Background



This preview shows how the CIE LCh color 42, 114.797, 307.204 looks on a white background.

Color Contrast Check

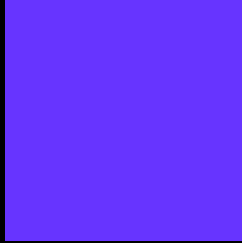
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.797, 307.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

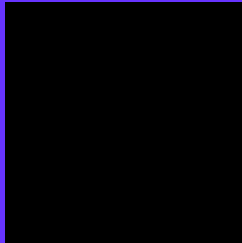
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 114.797, 307.204

Background



This preview shows how black text looks on a background with the CIELCh color 42, 114.797, 307.204.



This preview shows how white text looks on a background with the CIELCh color 42, 114.797, 307.204.

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, 114.797, 307.204

Protanopia

42, 63.556, 286.684

Deuteranopia

42, 44.300, 273.309



Tritanopia
42, 21.729, 210.095

Trichromacy



Original Color
42, 114.797, 307.204

Protanomaly
40, 84.591, 296.786

Deuteranomaly
39, 71.469, 293.462

Tritanomaly
39, 47.673, 288.998

Monochromacy



Original Color
42, 114.797, 307.204

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 45.948, 304.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 114.797, 307.204 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(103, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 52, 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(103, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 52, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 114.797, 307.204 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(103, 52, 255) }
```

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

```
.border{ border-color:rgb(103, 52, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 52, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 52,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 114.797, 307.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 52, 255) }
```

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

```
.background{ background-color: rgb(103, 52,  
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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