

Converting Colors

CIELCh(42, 103.994, 306.619)

Have a look what the booklet for
CIELCh(42, 103.994, 306.619)
contains.

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Color

CIELCh(42, 104.320, 306.681)

Conversions

Conversions Part 1

Format	Color
Hex	683CF1
RGB	104, 60, 241
RGB Percent	41%, 24%, 95%
CMY	0.5926, 0.7651, 0.0554
CMYK	0.57, 0.75, 0.00, 0.06
HSL	255°, 87%, 59%
HSV	255°, 75%, 94%
XYZ	23.1640, 12.5000, 84.3194
YIQ	93.7900, -31.8770, 65.6190

Conversions

Conversions Part 2

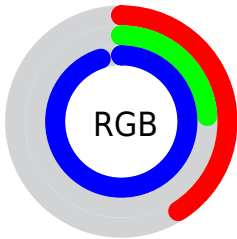
Format	Color
R_{YB}	104, 60, 241
Decimal	6831345
CIE _{Lab}	42.00, 62.32, -83.66
CIE _{LCh}	42, 104.320, 306.681
Yxy	12.5000, 0.1931, 0.1042
Android (android.graphics.Color)	4285021425 (0xFF683CF1)
YUV	93.7900, 72.5745, 8.9542
Hunter-Lab	35.3553, 55.0771, -116.6527

Details

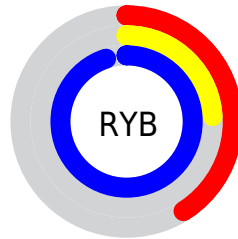
The CIELCh color **42, 104.320, 306.681** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **89, 85.073, 115.842**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 81.379, 308.579**, and **22, 103.793, 306.588** is the 20% darker color. If you saturate the color by 10%, you get **37, 115.685, 307.382**, and if you desaturate by 10%, it is **48, 90.736, 305.683**.

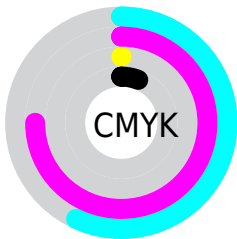
Distribution



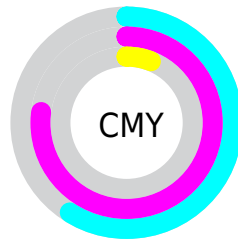
- Red (41%)
- Green (24%)
- Blue (95%)



- Red (41%)
- Yellow (24%)
- Blue (95%)



- Cyan (57%)
- Magenta (75%)
- Yellow (0%)
- Black (6%)





- Cyan (59%)
- Magenta (77%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 104.320, 306.681 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, 104.320, 306.681 by changing the saturation by 10% instead.


 42, 104.320,
306.681


 42, 104.320,
306.681


 100, 104.320,
306.681


 32, 104.320,
306.681


 62, 104.320,
306.681


 22, 104.320,
306.681


 72, 104.320,
306.681

 12, 104.320,
306.681


 82, 104.320,
306.681

 2, 104.320,
306.681

 92, 104.320,
306.681

 0, 104.320,
306.681

 42, 104.320,

 42, 104.320,

306.681

306.681

■ 37, 115.685,
307.382

■ 48, 90.736,
305.683

■ 34, 123.280,
307.575

■ 55, 76.216,
304.572

■ 32, 125.734,
307.535

■ 62, 61.539,
303.469

■ 69, 47.104,
302.439

■ 77, 33.089,
301.509

■ 84, 19.557,
300.688

■ 91, 6.519, 299.968

■ 99, 6.039, 119.358

100, 7.145,
109.632

Harmonies

Complementary

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



42, 104.320, 306.681



89, 85.073, 115.842

Rectangle

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



42, 104.320, 306.681



42, 104.320, 356.681



42, 104.320, 126.681



42, 104.320, 176.681

Sweetspot

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



42, 104.321, 306.682



82, 31.587, 301.331



75, 38.859, 233.860



41, 22.010, 301.647



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, 104.321, 306.682



37, 125.438, 307.556



53, 100.560, 319.272



46, 7.237, 300.269



24, 102.380, 307.665



3, 38.551, 304.458

Inverse Universe

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



58, 85.324, 337.985



58, 95.048, 339.774



85, 97.239, 133.051



47, 7.266, 332.664



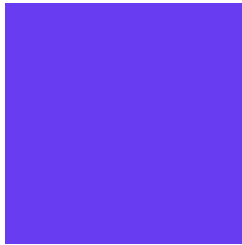
41, 74.953, 340.885



9, 33.527, 338.720

Previews

White Background



This preview shows how the CIELCh color 42, 104.320, 306.681 looks on a white background.

Color Contrast Check

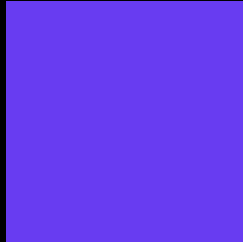
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.320, 306.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

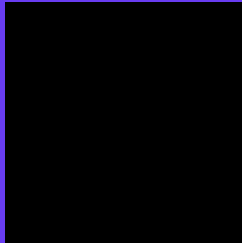
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 104.320, 306.681

Background



This preview shows how black text looks on a background with the CIELCh color 42, 104.320, 306.681.

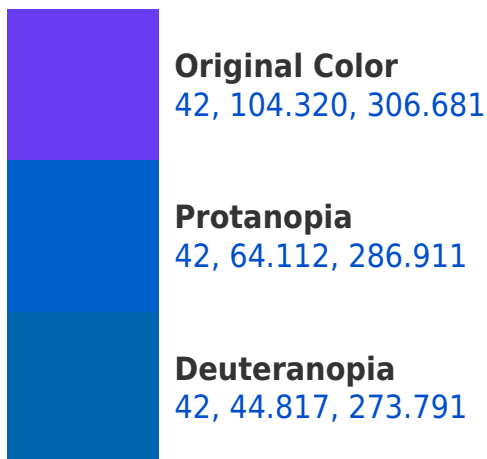


This preview shows how white text looks on a background with the CIELCh color 42, 104.320, 306.681.

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





Tritanopia
42, 17.718, 215.635

Trichromacy



Original Color
42, 104.320, 306.681

Protanomaly
40, 80.461, 295.638

Deuteranomaly
40, 67.249, 291.875

Tritanomaly
40, 43.846, 290.605

Monochromacy



Original Color
42, 104.320, 306.681

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 40.181, 303.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 104.320, 306.681 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(104, 60, 241)` looks like.

```
.text, #text, p{  
    color:rgb(104, 60, 241)  
}
```

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(104, 60, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 60, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 104.320, 306.681 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(104, 60, 241) }
```

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

```
.border{ border-color:rgb(104, 60, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 60, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 60, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 60, 241);  
box-shadow:4px 4px 4px 4px rgb(104, 60,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 104.320, 306.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 60, 241) }
```

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

```
.background{ background-color: rgb(104, 60,  
241) }
```

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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