

Converting Colors

CIELCh(42, 116.489, 308.681)

Have a look what the booklet for
CIELCh(42, 116.489, 308.681)
contains.

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Color

CIELCh(42, 116.430, 308.685)

Conversions

Conversions Part 1

Format	Color
Hex	712DFE
RGB	113, 45, 254
RGB Percent	44%, 18%, 100%
CMY	0.5577, 0.8244, 0.0047
CMYK	0.56, 0.82, 0.00, 0.00
HSL	260°, 99%, 59%
HSV	260°, 82%, 100%
XYZ	25.5694, 12.5000, 94.6635
YIQ	89.1580, -26.5610, 79.4150

Conversions

Conversions Part 2

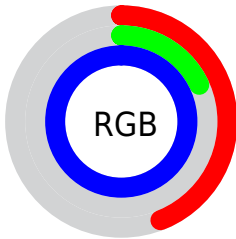
Format	Color
R _{YB}	113, 45, 254
Decimal	7417342
CIE Lab	42.00, 72.77, -90.88
CIE LCh	42, 116.430, 308.685
Yxy	12.5000, 0.1926, 0.0942
Android (android.graphics.Color)	4285607422 (0xFF712DFE)
YUV	89.1580, 81.2671, 20.9094
Hunter-Lab	35.3553, 67.2216, -133.9995

Details

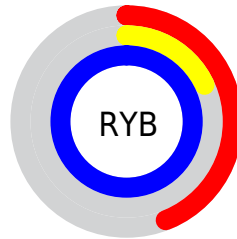
The CIELCh color **42, 116.430, 308.685** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **92, 95.563, 119.792**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 87.793, 312.130**, and **25, 108.729, 306.885** is the 20% darker color. If you saturate the color by 10%, you get **38, 125.077, 308.744**, and if you desaturate by 10%, it is **47, 104.375, 308.194**.

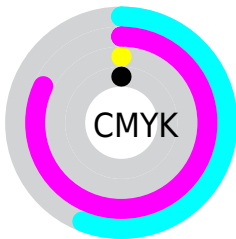
Distribution



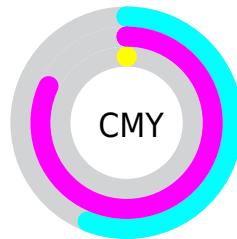
- Red (44%)
- Green (18%)
- Blue (100%)



- Red (44%)
- Yellow (18%)
- Blue (100%)



- Cyan (56%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (82%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 116.430, 308.685 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, 116.430, 308.685 by changing the saturation by 10% instead.


 42, 116.430,
308.685


 42, 116.430,
308.685


 100, 116.430,
308.685


 32, 116.430,
308.685


 62, 116.430,
308.685


 22, 116.430,
308.685


 72, 116.430,
308.685


 12, 116.430,
308.685

 82, 116.430,
308.685

 2, 116.430,
308.685

 92, 116.430,
308.685

 0, 116.430,
308.685

 42, 116.430,

 42, 116.430,

308.685

■ 38, 125.077,
308.744

■ 36, 129.123,
308.487

308.685

■ 47, 104.375,
308.194

■ 54, 90.317,
307.447

■ 61, 75.380,
306.592

■ 68, 60.264,
305.725

■ 75, 45.346,
304.901

■ 83, 30.811,
304.146

■ 90, 16.735,
303.469

■ 98, 3.140, 302.856

100, 0.597,
110.004

Harmonies

Complementary

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



42, 116.430, 308.685



92, 95.563, 119.792

Rectangle

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



42, 116.430, 308.685



42, 116.430, 358.685



42, 116.430, 128.685



42, 116.430, 178.685

Sweetspot

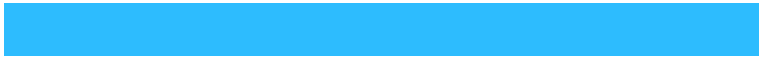
The Sweet Spot groups the original color and five complimentary colors.



42, 116.431, 308.686



81, 34.749, 304.339



72, 45.229, 251.547



40, 23.848, 304.603



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, 116.431, 308.686



36, 129.092, 308.515



56, 110.167, 321.823



49, 7.695, 303.291



26, 104.159, 308.647



5, 44.798, 308.311

Inverse Universe

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



58, 87.825, 343.675



56, 90.534, 347.064



88, 109.472, 134.611



50, 7.209, 335.965



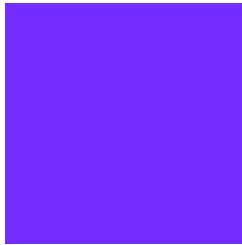
42, 73.164, 346.854



11, 34.495, 343.929

Previews

White Background



This preview shows how the CIELCh color 42, 116.430, 308.685 looks on a white background.

Color Contrast Check

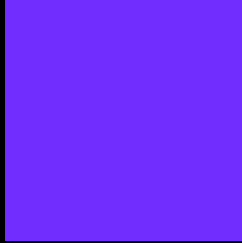
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.430, 308.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

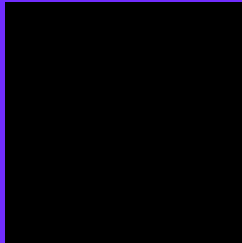
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 116.430, 308.685

Background



This preview shows how black text looks on a background with the CIELCh color 42, 116.430, 308.685.



This preview shows how white text looks on a background with the CIELCh color 42, 116.430, 308.685.

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, 116.430, 308.685

Protanopia

42, 63.556, 286.684

Deuteranopia

42, 43.782, 272.516



Tritanopia
42, 15.418, 218.696

Trichromacy



Original Color
42, 116.430, 308.685

Protanomaly
39, 85.797, 297.537

Deuteranomaly
39, 72.710, 294.467

Tritanomaly
39, 50.006, 296.636

Monochromacy



Original Color
42, 116.430, 308.685

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 47.469, 306.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 116.430, 308.685 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(113, 45, 254)` looks like.

```
.text, #text, p{  
    color:rgb(113, 45, 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(113, 45, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 45, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 116.430, 308.685 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(113, 45, 254) }
```

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

```
.border{ border-color:rgb(113, 45, 254) }
```

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

Here you see how a box with a 4 pixel rgb(113, 45, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 45, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 45, 254);  
box-shadow:4px 4px 4px 4px rgb(113, 45,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 116.430, 308.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 45, 254) }
```

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

```
.background{ background-color: rgb(113, 45,  
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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