

Converting Colors

CIELCh(44, 113.195, 308.120)

Have a look what the booklet for
CIELCh(44, 113.195, 308.120)
contains.

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Color

CIELCh(44, 112.645, 308.228)

Conversions

Conversions Part 1

Format	Color
Hex	7637FF
RGB	118, 55, 255
RGB Percent	46%, 22%, 100%
CMY	0.5392, 0.7827, 0.0000
CMYK	0.54, 0.78, 0.00, 0.00
HSL	259°, 100%, 61%
HSV	259°, 78%, 100%
XYZ	26.9115, 13.8382, 96.2380
YIQ	96.6370, -26.6520, 75.5560

Conversions

Conversions Part 2

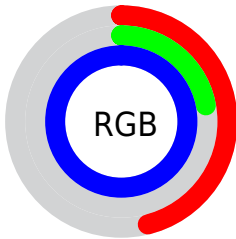
Format	Color
R _Y B	118, 55, 255
Decimal	7747583
CIE Lab	44.00, 69.70, -88.49
CIE LCh	44, 112.645, 308.228
Yxy	13.8382, 0.1965, 0.1010
Android (android.graphics.Color)	4285937663 (0xFF7637FF)
YUV	96.6370, 78.0730, 18.7354
Hunter-Lab	37.1997, 64.0333, -127.3471

Details

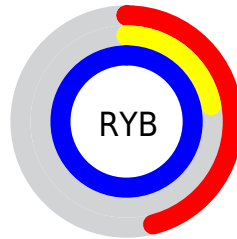
The CIELCh color **44, 112.645, 308.228** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **93, 92.771, 119.003**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 82.782, 311.872**, and **25, 108.398, 307.342** is the 20% darker color. If you saturate the color by 10%, you get **39, 122.766, 308.543**, and if you desaturate by 10%, it is **50, 99.252, 307.574**.

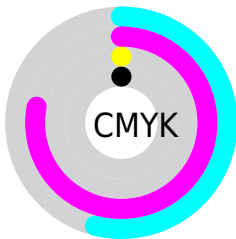
Distribution



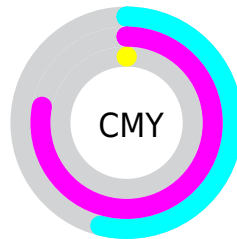
- Red (46%)
- Green (22%)
- Blue (100%)



- Red (46%)
- Yellow (22%)
- Blue (100%)



- Cyan (54%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (78%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 112.645, 308.228 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 44, 112.645, 308.228 by changing the saturation by 10% instead.


 44, 112.645,
308.228

 44, 112.645,
308.228


 100, 112.645,
308.228


 34, 112.645,
308.228


 64, 112.645,
308.228


 24, 112.645,
308.228


 74, 112.645,
308.228


 14, 112.645,
308.228


 84, 112.645,
308.228

 4, 112.645,
308.228

 94, 112.645,
308.228


 0, 112.645,
308.228


 44, 112.645,


 44, 112.645,


308.228


308.228


 39, 122.766,
308.543


 50, 99.252,
307.574


 36, 129.051,
308.341


 56, 84.595,
306.722


 36, 129.915,
308.293


 64, 69.420,
305.813

 71, 54.277,
304.926

 79, 39.445,
304.101

 86, 25.051,
303.356

 94, 11.140,
302.694

 100, 0.012,
296.813

Harmonies

Complementary

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



44, 112.645, 308.228



93, 92.771, 119.003

Rectangle

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



44, 112.645, 308.228



44, 112.645, 358.228



44, 112.645, 128.228



44, 112.645, 178.228

Sweetspot

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



44, 112.433, 308.240



83, 31.808, 303.699



74, 43.278, 246.935



41, 22.153, 303.972



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44, 112.433, 308.240



37, 126.863, 308.485



57, 107.673, 321.342



49, 7.679, 302.772



26, 104.423, 308.450



5, 44.773, 307.969

Inverse Universe

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



60, 87.132, 342.152



57, 91.306, 344.905



89, 106.256, 134.378



50, 7.283, 335.365



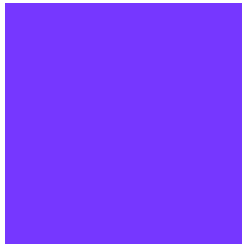
42, 73.801, 345.764



11, 34.784, 343.033

Previews

White Background



This preview shows how the CIELCh color 44, 112.645, 308.228 looks on a white background.

Color Contrast Check

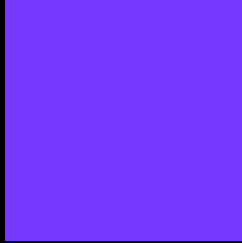
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 112.645, 308.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

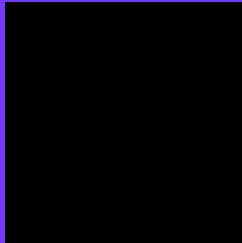
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 112.645, 308.228

Background



This preview shows how black text looks on a background with the CIELCh color 44, 112.645, 308.228.



This preview shows how white text looks on a background with the CIELCh color 44, 112.645, 308.228.

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

44, 112.584, 308.328

Protanopia

44, 65.979, 286.724

Deuteranopia

44, 46.325, 273.752



Tritanopia
44, 14.032, 220.863

Trichromacy



Original Color
44, 112.584, 308.328

Protanomaly
42, 84.590, 296.394

Deuteranomaly
41, 71.511, 293.064

Tritanomaly
42, 47.088, 296.280

Monochromacy



Original Color
44, 112.584, 308.328

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 44.434, 305.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 112.645, 308.228 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(118, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 55, 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(118, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 55, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 112.645, 308.228 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(118, 55, 255) }
```

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

```
.border{ border-color:rgb(118, 55, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 55, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 55, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 55, 255); box-shadow:4px 4px 4px 4px rgb(118, 55, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 112.645, 308.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 55, 255) }
```

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

```
.background{ background-color: rgb(118, 55,  
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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