

Converting Colors

CIELCh(45, 94.177, 311.182)

Have a look what the booklet for
CIELCh(45, 94.177, 311.182)
contains.

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Color

CIELCh(45, 93.942, 311.112)

Conversions

Conversions Part 1

Format	Color
Hex	8940E3
RGB	137, 64, 227
RGB Percent	54%, 25%, 89%
CMY	0.4626, 0.7489, 0.1096
CMYK	0.40, 0.72, 0.00, 0.11
HSL	267°, 74%, 57%
HSV	267°, 72%, 89%
XYZ	26.0303, 14.5417, 74.1384
YIQ	104.4090, -8.8150, 66.1690

Conversions

Conversions Part 2

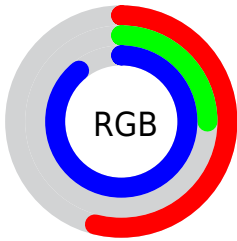
Format	Color
R _{YB}	137, 64, 227
Decimal	8995043
CIE _{Lab}	45.00, 61.77, -70.78
CIE _{LCh}	45, 93.942, 311.112
Y _{xy}	14.5417, 0.2269, 0.1268
Android (android.graphics.Color)	4287185123 (0xFF8940E3)
YUV	104.4090, 60.4374, 28.5823
Hunter-Lab	38.1336, 55.1118, -88.5767

Details

The CIELCh color **45, 93.942, 311.112** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **83, 82.707, 124.436**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 78.597, 313.926**, and **25, 92.959, 310.949** is the 20% darker color. If you saturate the color by 10%, you get **40, 104.338, 311.287**, and if you desaturate by 10%, it is **50, 81.677, 310.690**.

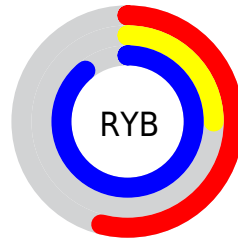
Distribution



Red (54%)

Green (25%)

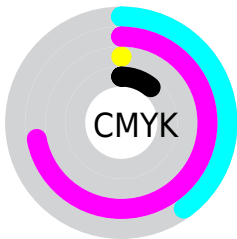
Blue (89%)



Red (54%)

Yellow (25%)

Blue (89%)

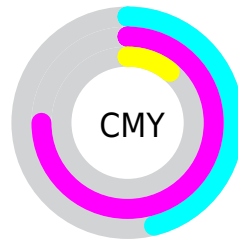


Cyan (40%)

Magenta (72%)

Yellow (0%)

Black (11%)



Cyan (46%)


Magenta (75%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 93.942, 311.112 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 45, 93.942, 311.112 by changing the saturation by 10% instead.


 45, 93.942,
311.112


 45, 93.942,
311.112


 100, 93.942,
311.112


 35, 93.942,
311.112

 65, 93.942,
311.112


 25, 93.942,
311.112

 75, 93.942,
311.112

 15, 93.942,
311.112

 85, 93.942,
311.112

 5, 93.942, 311.112

 95, 93.942,
311.112

 0, 93.942, 311.112

 45, 93.942,

 45, 93.942,

311.112

■ 40, 104.338,
311.287

■ 37, 111.844,
311.079

■ 35, 115.755,
310.631

311.112

■ 50, 81.677,
310.690

■ 56, 68.435,
310.133

■ 63, 54.833,
309.524

■ 69, 41.249,
308.912

■ 76, 27.892,
308.329

■ 82, 14.871,
307.788

■ 89, 2.235, 307.260

■ 96, 10.002,
126.887

■ 99, 14.291,
116.593

Harmonies

Complementary

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



45, 93.942, 311.112



83, 82.707, 124.436

Rectangle

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



45, 93.942, 311.112



45, 93.942, 1.112



45, 93.942, 131.112



45, 93.942, 181.112

Sweetspot

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



45, 93.942, 311.113



84, 30.953, 308.349



62, 43.790, 264.379



43, 20.878, 308.505



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 93.942, 311.113



44, 118.266, 311.243



56, 93.216, 325.652



45, 7.199, 307.669



27, 96.521, 310.805



4, 35.306, 309.190

Inverse Universe

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



54, 70.455, 349.579



57, 83.876, 353.205



80, 94.204, 136.962



45, 6.064, 341.659



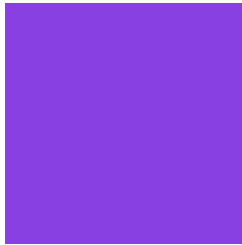
39, 65.682, 357.043



7, 28.197, 351.096

Previews

White Background



This preview shows how the CIELCh color 45, 93.942, 311.112 looks on a white background.

Color Contrast Check

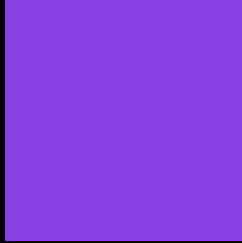
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 93.942, 311.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

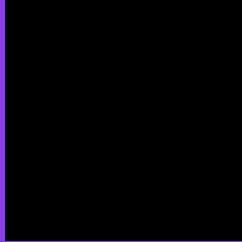
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 93.942, 311.112

Background



This preview shows how black text looks on a background with the CIELCh color 45, 93.942, 311.112.



This preview shows how white text looks on a background with the CIELCh color 45, 93.942, 311.112.

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
45, 93.942, 311.112

Protanopia
45, 67.970, 286.957

Deuteranopia
45, 48.869, 275.114



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color
45, 93.942, 311.112



Protanomaly
43, 78.546, 295.033



Deuteranomaly
42, 65.374, 291.210



Tritanomaly
44, 40.540, 310.895

Monochromacy



Original Color
45, 93.942, 311.112



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 37.400, 309.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 93.942, 311.112 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(137, 64, 227)` looks like.

```
.text, #text, p{  
    color:rgb(137, 64, 227)  
}
```

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(137, 64, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 64, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 93.942, 311.112 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(137, 64, 227) }
```

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

```
.border{ border-color:rgb(137, 64, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 64, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 64, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 64, 227);  
box-shadow:4px 4px 4px 4px rgb(137, 64,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 93.942, 311.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 64, 227) }
```

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

```
.background{ background-color: rgb(137, 64,  
227) }
```

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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