

Converting Colors

CIELCh(45, 104.468, 307.996)

Have a look what the booklet for
CIELCh(45, 104.468, 307.996)
contains.

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Color

CIELCh(45, 104.468, 307.996)

Conversions

Conversions Part 1

Format	Color
Hex	7940F7
RGB	121, 64, 247
RGB Percent	47%, 25%, 97%
CMY	0.5238, 0.7476, 0.0298
CMYK	0.51, 0.74, 0.00, 0.03
HSL	259°, 92%, 61%
HSV	259°, 74%, 97%
XYZ	26.6463, 14.5417, 89.7151
YIQ	101.9050, -24.7710, 68.9970

Conversions

Conversions Part 2

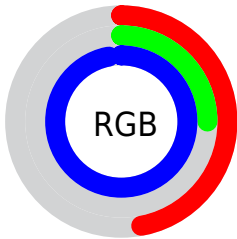
Format	Color
R _{YB}	121, 64, 247
Decimal	7946487
CIE _{Lab}	45.00, 64.31, -82.33
CIE _{LCh}	45, 104.468, 307.996
Yxy	14.5417, 0.2036, 0.1111
Android (android.graphics.Color)	4286136567 (0xFF7940F7)
YUV	101.9050, 71.5318, 16.7463
Hunter-Lab	38.1336, 57.9950, -112.7953

Details

The CIELCh color **45, 104.468, 307.996** 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 **91, 87.307, 118.947**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 78.744, 311.192**, and **25, 104.210, 307.943** is the 20% darker color. If you saturate the color by 10%, you get **40, 115.950, 308.480**, and if you desaturate by 10%, it is **51, 90.835, 307.233**.

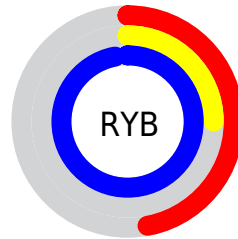
Distribution



Red (47%)

Green (25%)

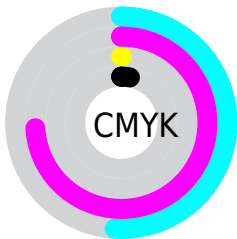
Blue (97%)



Red (47%)

Yellow (25%)

Blue (97%)

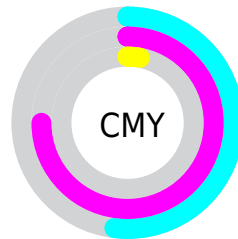


Cyan (51%)

Magenta (74%)

Yellow (0%)

Black (3%)



Cyan (52%)


Magenta (75%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 104.468, 307.996 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, 104.468, 307.996 by changing the saturation by 10% instead.


 45, 104.468,
307.996


 45, 104.468,
307.996


 100, 104.468,
307.996


 35, 104.468,
307.996


 65, 104.468,
307.996


 25, 104.468,
307.996


 75, 104.468,
307.996

 15, 104.468,
307.996


 85, 104.468,
307.996

 5, 104.468,
307.996

 95, 104.468,
307.996


 0, 104.468,
307.996


 45, 104.468,


 45, 104.468,


307.996


307.996


 40, 115.950,
308.480


 51, 90.835,
307.233


 36, 123.875,
308.500

 58, 76.227,
306.347

 35, 126.927,
308.317


 65, 61.388,
305.444

 72, 46.721,
304.584

 80, 32.424,
303.795

 87, 18.579,
303.088

 94, 5.210, 302.458

 100, 3.847,
109.871

Harmonies

Complementary

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



45, 104.468, 307.996



91, 87.307, 118.947

Rectangle

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



45, 104.468, 307.996



45, 104.468, 357.996



45, 104.468, 127.996



45, 104.468, 177.996

Sweetspot

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



45, 104.468, 307.997



83, 30.375, 303.650



73, 40.857, 245.222



42, 20.505, 303.852



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, 104.468, 307.997



39, 123.359, 308.558



56, 101.504, 321.369



48, 7.554, 302.797



26, 103.359, 308.469



4, 42.866, 307.536

Inverse Universe

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



59, 82.712, 341.563



58, 90.714, 343.983



87, 99.949, 134.498



49, 7.159, 335.394



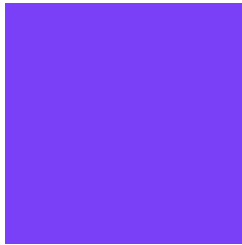
42, 73.047, 345.798



10, 33.901, 342.934

Previews

White Background



This preview shows how the CIELCh color 45, 104.468, 307.996 looks on a white background.

Color Contrast Check

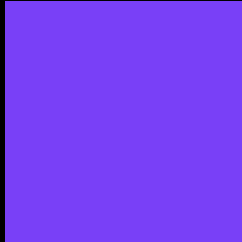
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 104.468, 307.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

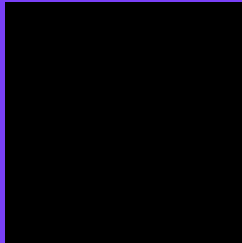
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 104.468, 307.996

Background



This preview shows how black text looks on a background with the CIELCh color 45, 104.468, 307.996.

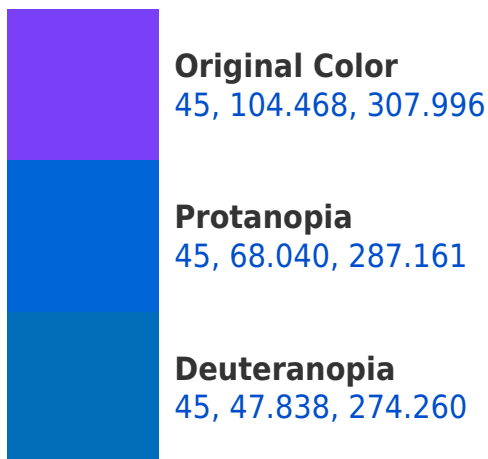


This preview shows how white text looks on a background with the CIELCh color 45, 104.468, 307.996.

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
45, 11.131, 227.507

Trichromacy



Original Color
45, 104.468, 307.996

Protanomaly
43, 82.577, 295.480

Deuteranomaly
43, 68.845, 291.517

Tritanomaly
43, 43.934, 297.683

Monochromacy



Original Color
45, 104.468, 307.996

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 41.123, 305.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 104.468, 307.996 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(121, 64, 247)` looks like.

```
.text, #text, p{  
    color:rgb(121, 64, 247)  
}
```

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(121, 64, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 64, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 104.468, 307.996 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(121, 64, 247) }
```

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

```
.border{ border-color:rgb(121, 64, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 64, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 64, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 64, 247);  
box-shadow:4px 4px 4px 4px rgb(121, 64,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 104.468, 307.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 64, 247) }
```

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

```
.background{ background-color: rgb(121, 64,  
247) }
```

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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