

Converting Colors

CIELCh(64, 45.127, 296.632)

Have a look what the booklet for
CIELCh(64, 45.127, 296.632)
contains.

CIELCh(64, 45.286, 296.722)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 45.286, 296.722)

Conversions

Conversions Part 1

Format	Color
Hex	9792E3
RGB	151, 146, 227
RGB Percent	59%, 57%, 89%
CMY	0.4068, 0.4265, 0.1087
CMYK	0.33, 0.36, 0.00, 0.11
HSL	244°, 59%, 73%
HSV	244°, 36%, 89%
XYZ	37.0330, 32.8017, 77.2524
YIQ	156.7290, -23.0210, 26.2510

Conversions

Conversions Part 2

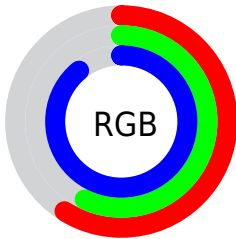
Format	Color
RYB	151, 146, 227
Decimal	9933539
CIELab	64.00, 20.36, -40.45
CIELCh	64, 45.286, 296.722
Yxy	32.8017, 0.2518, 0.2230
Android (android.graphics.Color)	4288123619 (0xFF9792E3)
YUV	156.7290, 34.6436, -5.0243
Hunter-Lab	57.2727, 15.1921, -39.8824

Details

The CIELCh color $64, 45.286, 296.722$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $88, 41.410, 109.504$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 29.293, 297.137$, and $44, 44.886, 296.515$ is the 20% darker color. If you saturate the color by 10%, you get $57, 59.201, 298.318$, and if you desaturate by 10%, it is $71, 31.904, 295.332$.

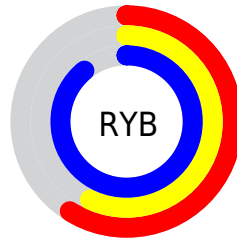
Distribution



Red (59%)

Green (57%)

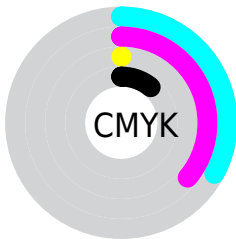
Blue (89%)



Red (59%)

Yellow (57%)

Blue (89%)

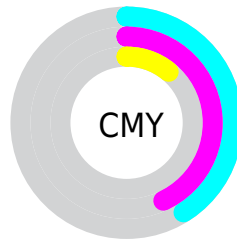


Cyan (33%)

Magenta (36%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (43%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 45.286, 296.722 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 64, 45.286, 296.722 by changing the saturation by 10% instead.

 64, 45.286,
296.722

 64, 45.286,
296.722

 100, 45.286,
296.722


 54, 45.286,
296.722


 84, 45.286,
296.722

 44, 45.286,
296.722

 94, 45.286,
296.722

 34, 45.286,
296.722

 24, 45.286,
296.722

 14, 45.286,
296.722

 4, 45.286, 296.722

 0, 45.286, 296.722

64, 45.286,
296.722

64, 45.286,
296.722

57, 59.201,
298.318

71, 31.904,
295.332

50, 73.545,
300.102

79, 19.068,
294.140

43, 87.975,
301.995

86, 6.752, 293.126

37, 101.671,
303.828

94, 5.080, 112.244

99, 14.028,
109.117

32, 113.102,
305.325

29, 120.336,
306.184

29, 122.373,
306.433

Harmonies

Complementary

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



64, 45.286, 296.722



88, 41.410, 109.504

Rectangle

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



64, 45.286, 296.722



64, 45.286, 346.722



64, 45.286, 116.722



64, 45.286, 166.722

Sweetspot

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



64, 45.285, 296.722



91, 14.581, 293.655



84, 24.534, 202.809



47, 9.824, 293.795



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 45.285, 296.722



65, 60.926, 297.921



67, 47.156, 312.465



44, 6.890, 293.493



21, 102.072, 306.478



2, 33.788, 298.259

Inverse Universe

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



71, 49.543, 328.161



75, 64.994, 328.577



86, 45.092, 129.144



45, 7.963, 326.660



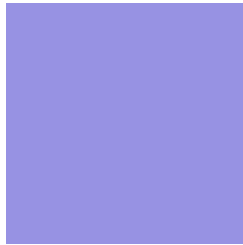
42, 84.248, 330.851



8, 35.619, 330.424

Previews

White Background



This preview shows how the CIELCh color 64, 45.286, 296.722 looks on a white background.

Color Contrast Check

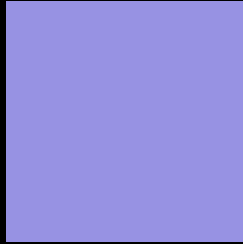
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 45.286, 296.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

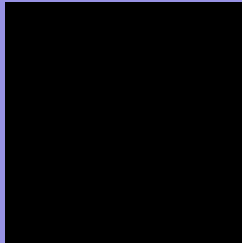
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 45.286, 296.722

Background



This preview shows how black text looks on a background with the CIELCh color 64, 45.286, 296.722.



This preview shows how white text looks on a background with the CIELCh color 64, 45.286, 296.722.

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

64, 45.286, 296.722

Protanopia

64, 44.831, 285.557

Deuteranopia

64, 40.557, 282.662



Tritanopia
64, 9.413, 244.478

Trichromacy



Original Color
64, 45.286, 296.722

Protanomaly
64, 44.636, 289.454

Deuteranomaly
64, 41.903, 287.952

Tritanomaly
64, 20.869, 282.055

Monochromacy



Original Color
64, 45.286, 296.722

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 16.770, 294.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 45.286, 296.722 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(151, 146, 227)` looks like.

```
.text, #text, p{  
    color:rgb(151, 146, 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(151, 146, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 146, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 45.286, 296.722 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(151, 146, 227) }
```

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

```
.border{ border-color:rgb(151, 146, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 146, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 146, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 146, 227);  
box-shadow:4px 4px 4px 4px rgb(151, 146,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 45.286, 296.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 146, 227) }
```

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

```
.background{ background-color: rgb(151,  
146, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor