

Converting Colors

CIELCh(44, 46.386, 314.372)

Have a look what the booklet for
CIELCh(44, 46.386, 314.372)
contains.

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Color

CIELCh(44, 45.946, 314.577)

Conversions

Conversions Part 1

Format	Color
Hex	82569F
RGB	130, 86, 159
RGB Percent	51%, 34%, 62%
CMY	0.4912, 0.6637, 0.3775
CMYK	0.18, 0.46, 0.00, 0.38
HSL	276°, 30%, 48%
HSV	276°, 46%, 62%
XYZ	18.7120, 13.8382, 34.3694
YIQ	107.4780, 2.7910, 32.0310

Conversions

Conversions Part 2

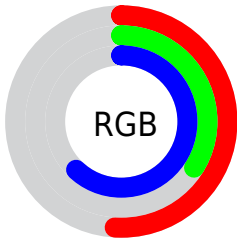
Format	Color
RYB	130, 86, 159
Decimal	8541855
CIELab	44.00, 32.25, -32.73
CIELCh	44, 45.946, 314.577
Yxy	13.8382, 0.2796, 0.2068
Android (android.graphics.Color)	4286731935 (0xFF82569F)
YUV	107.4780, 25.4003, 19.7518
Hunter-Lab	37.1997, 24.6883, -28.7391

Details

The CIELCh color $[44, 45.946, 314.577]$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $[61, 43.763, 130.461]$, and the grayscale version is $[45, 0.006, 296.813]$.

A 20% lighter version of the original color is $[64, 45.764, 314.421]$, and $[24, 45.636, 314.697]$ is the 20% darker color. If you saturate the color by 10%, you get $[40, 55.812, 314.966]$, and if you desaturate by 10%, it is $[48, 35.813, 314.138]$.

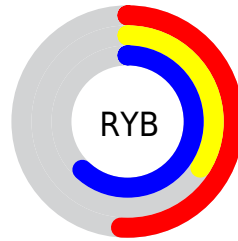
Distribution



Red (51%)

Green (34%)

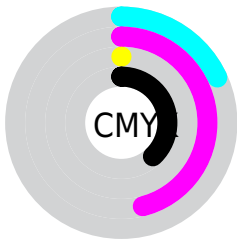
Blue (62%)



Red (51%)

Yellow (34%)

Blue (62%)

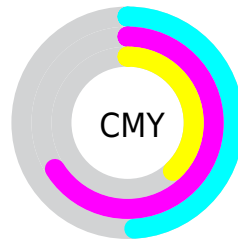


Cyan (18%)

Magenta (46%)

Yellow (0%)

Black (38%)



Cyan (49%)


Magenta (66%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 45.946, 314.577 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, 45.946, 314.577 by changing the saturation by 10% instead.


 44, 45.946,
314.577


 44, 45.946,
314.577


 100, 45.946,
314.577


 34, 45.946,
314.577

 64, 45.946,
314.577


 24, 45.946,
314.577

 74, 45.946,
314.577

 14, 45.946,
314.577

 84, 45.946,
314.577

 4, 45.946, 314.577

 94, 45.946,
314.577

 0, 45.946, 314.577

 44, 45.946,

 44, 45.946,

314.577

40, 55.812,
314.966

36, 65.062,
315.254

32, 73.205,
315.374

30, 79.668,
315.243

27, 84.028,
314.798

27, 85.579,
314.608

314.577

48, 35.813,
314.138

53, 25.653,
313.682

58, 15.610,
313.232

63, 5.769, 312.792

67, 3.826, 132.451

72, 13.153,
132.063

77, 22.207,
131.730

82, 30.991,
131.433

■ 86, 39.515,
131.169

Harmonies

Complementary

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



44, 45.946, 314.577



61, 43.763, 130.461

Rectangle

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



44, 45.946, 314.577



44, 45.946, 4.577



44, 45.946, 134.577



44, 45.946, 184.577

Sweetspot

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



44, 45.945, 314.577



75, 16.921, 313.157



48, 26.964, 273.570



38, 11.803, 313.247



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 45.945, 314.577



52, 67.954, 314.969



47, 45.946, 329.892



31, 5.464, 312.936



24, 79.142, 314.706



1, 7.022, 311.528

Inverse Universe

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



46, 33.843, 354.868



55, 49.689, 356.672



59, 46.100, 143.580



31, 4.027, 350.345



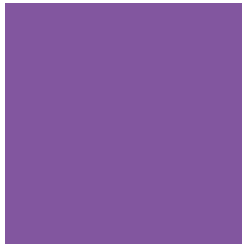
30, 54.989, 10.740



1, 5.129, 350.856

Previews

White Background



This preview shows how the CIELCh color 44, 45.946, 314.577 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, 45.946, 314.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

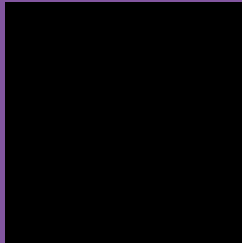
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 45.946, 314.577

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.946, 314.577.



This preview shows how white text looks on a background with the CIELCh color 44, 45.946, 314.577.

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, 45.946, 314.577

Protanopia

44, 42.670, 285.845

Deuteranopia

44, 30.930, 281.595



Tritanopia
44, 10.736, 354.503

Trichromacy



Original Color
44, 45.946, 314.577

Protanomaly
44, 43.141, 295.562

Deuteranomaly
44, 35.444, 296.046

Tritanomaly
44, 21.986, 324.819

Monochromacy



Original Color
44, 45.946, 314.577

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 17.397, 313.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.946, 314.577 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(130, 86, 159)` looks like.

```
.text, #text, p{  
    color:rgb(130, 86, 159)  
}
```

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(130, 86, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 86, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.946, 314.577 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(130, 86, 159) }
```

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

```
.border{ border-color:rgb(130, 86, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 86, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 86, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 86, 159);  
box-shadow:4px 4px 4px 4px rgb(130, 86,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.946, 314.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 86, 159) }
```

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

```
.background{ background-color: rgb(130, 86,  
159) }
```

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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