

Converting Colors

CIELCh(45, 61.975, 320.113)

Have a look what the booklet for
CIELCh(45, 61.975, 320.113)
contains.

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Color

CIELCh(45, 61.942, 320.105)

Conversions

Conversions Part 1

Format	Color
Hex	974BAE
RGB	151, 75, 174
RGB Percent	59%, 29%, 68%
CMY	0.4097, 0.7076, 0.3195
CMYK	0.13, 0.57, 0.00, 0.32
HSL	286°, 40%, 49%
HSV	286°, 57%, 68%
XYZ	22.7521, 14.5417, 41.4079
YIQ	109.0100, 13.5170, 46.9010

Conversions

Conversions Part 2

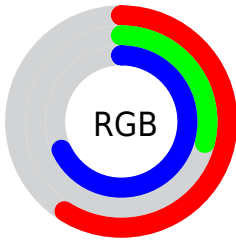
Format	Color
R_{YB}	151, 75, 174
Decimal	9915310
CIE _{Lab}	45.00, 47.52, -39.73
CIE _{LCh}	45, 61.942, 320.105
Yxy	14.5417, 0.2891, 0.1848
Android (android.graphics.Color)	4288105390 (0xFF974BAE)
YUV	109.0100, 32.0401, 36.8252
Hunter-Lab	38.1336, 39.7667, -37.6874

Details

The CIELCh color `45, 61.942, 320.105` is a dark color, and the websafe version is hex `993399`. A complement of this color would be `64, 60.367, 134.670`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 62.062, 320.028`, and `25, 62.078, 320.071` is the 20% darker color. If you saturate the color by 10%, you get `41, 71.138, 320.302`, and if you desaturate by 10%, it is `49, 51.708, 319.795`.

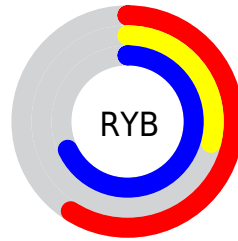
Distribution



Red (59%)

Green (29%)

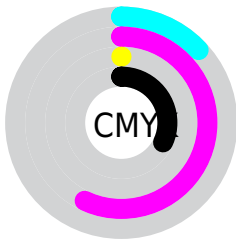
Blue (68%)



Red (59%)

Yellow (29%)

Blue (68%)

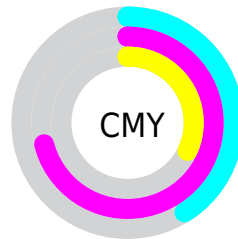


Cyan (13%)

Magenta (57%)

Yellow (0%)

Black (32%)



Cyan (41%)


Magenta (71%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 61.942, 320.105 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, 61.942, 320.105 by changing the saturation by 10% instead.


 45, 61.942,
320.105


 45, 61.942,
320.105


 100, 61.942,
320.105


 35, 61.942,
320.105

 65, 61.942,
320.105


 25, 61.942,
320.105

 75, 61.942,
320.105

 15, 61.942,
320.105

 85, 61.942,
320.105

 5, 61.942, 320.105

 95, 61.942,
320.105

 0, 61.942, 320.105

 45, 61.942,

 45, 61.942,

320.105

■ 41, 71.138,
320.302

■ 38, 78.788,
320.338

■ 36, 84.404,
320.163

■ 34, 87.809,
319.752

■ 34, 88.668,
319.620

320.105

■ 49, 51.708,
319.795

■ 53, 40.878,
319.413

■ 58, 29.782,
318.991

■ 63, 18.651,
318.553

■ 67, 7.637, 318.107

■ 72, 3.169, 137.769

■ 77, 13.713,
137.328

■ 82, 23.970,
136.951

■ 87, 33.930,
136.604

Harmonies

Complementary

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



45, 61.942, 320.105



64, 60.367, 134.670

Rectangle

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



45, 61.942, 320.105



45, 61.942, 10.105



45, 61.942, 140.105



45, 61.942, 190.105

Sweetspot

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



45, 61.940, 320.105



79, 22.945, 318.565



43, 45.650, 288.496



41, 15.350, 318.649



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 61.940, 320.105



53, 88.357, 320.325



47, 53.409, 337.229



34, 6.154, 318.210



29, 79.796, 319.709



2, 12.618, 315.352

Inverse Universe

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



45, 43.229, 9.228



54, 62.821, 12.748



64, 53.508, 147.481



34, 3.996, 1.613



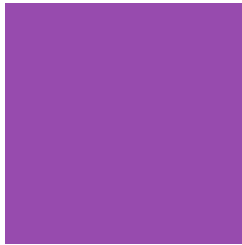
31, 60.958, 25.924



2, 8.121, 4.045

Previews

White Background



This preview shows how the CIELCh color 45, 61.942, 320.105 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, 61.942, 320.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

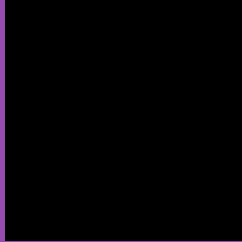
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 61.942, 320.105

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.942, 320.105.

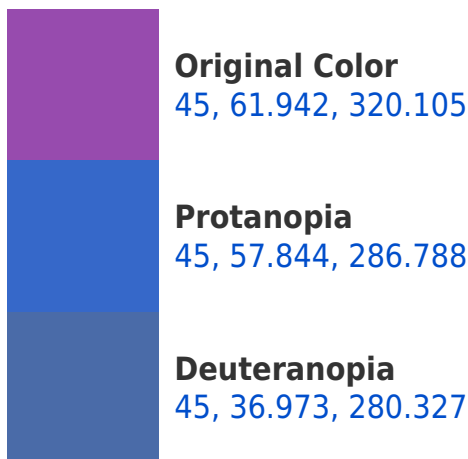


This preview shows how white text looks on a background with the CIELCh color 45, 61.942, 320.105.

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, 20.167, 10.497

Trichromacy



Original Color
45, 61.942, 320.105

Protanomaly
44, 58.439, 296.711

Deuteranomaly
44, 44.974, 298.819

Tritanomaly
45, 32.230, 337.077

Monochromacy



Original Color
45, 61.942, 320.105

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 24.080, 319.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.942, 320.105 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, 75, 174)` looks like.

```
.text, #text, p{  
    color:rgb(151, 75, 174)  
}
```

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, 75, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 75, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 61.942, 320.105 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, 75, 174) }
```

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

```
.border{ border-color:rgb(151, 75, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 75, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 75, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 75, 174);  
box-shadow:4px 4px 4px 4px rgb(151, 75,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 61.942, 320.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 75, 174) }
```

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

```
.background{ background-color: rgb(151, 75,  
174) }
```

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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