

Converting Colors

CIELCh(45, 86.562, 322.951)

Have a look what the booklet for
CIELCh(45, 86.562, 322.951)
contains.

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Color

CIELCh(45, 86.520, 322.897)

Conversions

Conversions Part 1

Format	Color
Hex	AC2CC3
RGB	172, 44, 195
RGB Percent	67%, 17%, 76%
CMY	0.3250, 0.8269, 0.2348
CMYK	0.12, 0.77, 0.00, 0.23
HSL	291°, 63%, 47%
HSV	291°, 77%, 77%
XYZ	27.8092, 14.5417, 53.0395
YIQ	99.4860, 27.8170, 74.0970

Conversions

Conversions Part 2

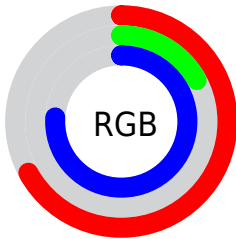
Format	Color
R _{YB}	172, 44, 195
Decimal	11283651
CIE Lab	45.00, 69.00, -52.19
CIE LCh	45, 86.520, 322.897
Yxy	14.5417, 0.2915, 0.1524
Android (android.graphics.Color)	4289473731 (0xFFAC2CC3)
YUV	99.4860, 47.0884, 63.5948
Hunter-Lab	38.1336, 63.4386, -55.7721

Details

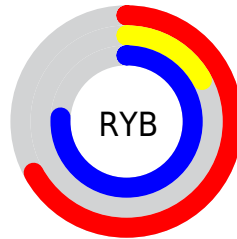
The CIELCh color **45, 86.520, 322.897** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **70, 86.294, 135.293**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 86.596, 323.001**, and **28, 75.115, 321.605** is the 20% darker color. If you saturate the color by 10%, you get **43, 91.987, 322.785**, and if you desaturate by 10%, it is **48, 78.718, 322.830**.

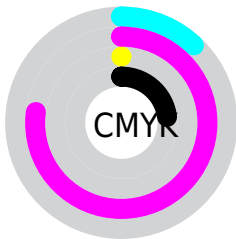
Distribution



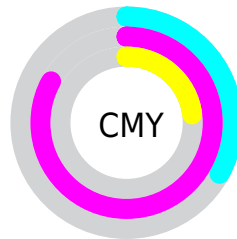
- Red (67%)
- Green (17%)
- Blue (76%)



- Red (67%)
- Yellow (17%)
- Blue (76%)



- Cyan (12%)
- Magenta (77%)
- Yellow (0%)
- Black (23%)




- Cyan (33%)
- Magenta (83%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 86.520, 322.897 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, 86.520, 322.897 by changing the saturation by 10% instead.


 45, 86.520,
322.897


 45, 86.520,
322.897


 100, 86.520,
322.897


 35, 86.520,
322.897

 65, 86.520,
322.897


 25, 86.520,
322.897

 75, 86.520,
322.897

 15, 86.520,
322.897

 85, 86.520,
322.897

 5, 86.520, 322.897

 95, 86.520,
322.897

 0, 86.520, 322.897

 45, 86.520,

 45, 86.520,

322.897

■ 43, 91.987,
322.785

■ 42, 95.037,
322.482

■ 41, 95.672,
322.391

322.897

■ 48, 78.718,
322.830

■ 51, 69.033,
322.618

■ 55, 58.004,
322.298

■ 60, 46.133,
321.904

■ 65, 33.828,
321.466

■ 70, 21.386,
321.005

■ 75, 9.011, 320.530

■ 80, 3.165, 140.170

■ 86, 15.065,
139.681

Harmonies

Complementary

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



45, 86.520, 322.897



70, 86.294, 135.293

Rectangle

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



45, 86.520, 322.897



45, 86.520, 12.897



45, 86.520, 142.897



45, 86.520, 192.897

Sweetspot

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



45, 86.518, 322.897



84, 34.999, 321.283



36, 76.962, 297.692



43, 24.447, 321.451



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, 86.518, 322.897



54, 114.514, 322.587



46, 69.383, 343.156



38, 6.901, 320.626



34, 82.814, 322.471



3, 22.439, 319.592

Inverse Universe

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



44, 64.246, 22.350



53, 91.527, 30.386



70, 71.738, 146.548



38, 4.265, 7.721



33, 67.497, 32.213



3, 14.174, 11.146

Previews

White Background



This preview shows how the CIELCh color 45, 86.520, 322.897 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, 86.520, 322.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

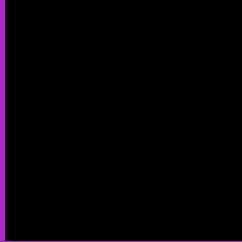
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 86.520, 322.897

Background



This preview shows how black text looks on a background with the CIELCh color 45, 86.520, 322.897.

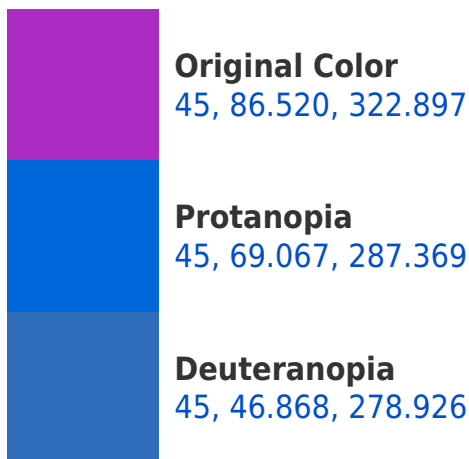


This preview shows how white text looks on a background with the CIELCh color 45, 86.520, 322.897.

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, 32.804, 18.294

Trichromacy



Original Color
45, 86.520, 322.897



Protanomaly
41, 76.696, 297.310



Deuteranomaly
42, 62.457, 299.997



Tritanomaly
44, 47.949, 342.504

Monochromacy



Original Color
45, 86.520, 322.897



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 37.109, 321.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 86.520, 322.897 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(172, 44, 195)` looks like.

```
.text, #text, p{  
    color:rgb(172, 44, 195)  
}
```

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(172, 44, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 44, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 86.520, 322.897 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(172, 44, 195) }
```

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

```
.border{ border-color:rgb(172, 44, 195) }
```

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

Here you see how a box with a 4 pixel rgb(172, 44, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 44, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 44, 195);  
box-shadow:4px 4px 4px 4px rgb(172, 44,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 86.520, 322.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 44, 195) }
```

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

```
.background{ background-color: rgb(172, 44,  
195) }
```

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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