

Converting Colors

CIELCh(48, 86.139, 317.326)

Have a look what the booklet for
CIELCh(48, 86.139, 317.326)
contains.

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Color

CIELCh(48, 86.128, 317.304)

Conversions

Conversions Part 1

Format	Color
Hex	A542D6
RGB	165, 66, 214
RGB Percent	65%, 26%, 84%
CMY	0.3523, 0.7405, 0.1602
CMYK	0.23, 0.69, 0.00, 0.16
HSL	280°, 64%, 55%
HSV	280°, 69%, 84%
XYZ	29.6656, 16.7945, 65.4023
YIQ	112.4730, 11.4960, 67.0160

Conversions

Conversions Part 2

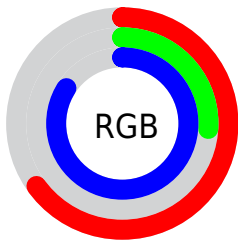
Format	Color
RYB	165, 66, 214
Decimal	10830550
CIELab	48.00, 63.30, -58.40
CIELCh	48, 86.128, 317.304
Yxy	16.7945, 0.2652, 0.1501
Android (android.graphics.Color)	4289020630 (0xFFA542D6)
YUV	112.4730, 50.0528, 46.0662
Hunter-Lab	40.9810, 57.4969, -65.9352

Details

The CIELCh color **48, 86.128, 317.304** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **77, 81.740, 131.549**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 78.423, 320.049**, and **29, 83.934, 316.965** is the 20% darker color. If you saturate the color by 10%, you get **44, 95.143, 317.274**, and if you desaturate by 10%, it is **52, 75.214, 317.128**.

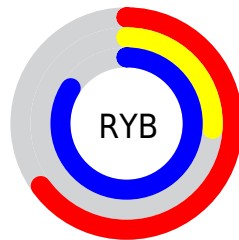
Distribution



Red (65%)

Green (26%)

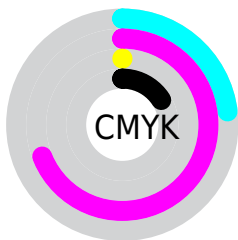
Blue (84%)



Red (65%)

Yellow (26%)

Blue (84%)

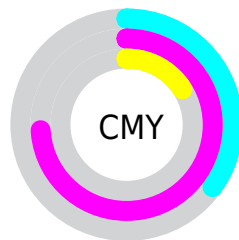


Cyan (23%)

Magenta (69%)

Yellow (0%)

Black (16%)



Cyan (35%)


Magenta (74%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 86.128, 317.304 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 48, 86.128, 317.304 by changing the saturation by 10% instead.

 48, 86.128,
317.304


 48, 86.128,
317.304


 100, 86.128,
317.304


 38, 86.128,
317.304

 68, 86.128,
317.304


 28, 86.128,
317.304

 78, 86.128,
317.304


 18, 86.128,
317.304


 88, 86.128,
317.304

 8, 86.128, 317.304

 98, 86.128,
317.304

 0, 86.128, 317.304

 48, 86.128,

 48, 86.128,

317.304

317.304

■ 44, 95.143,
317.274

■ 52, 75.214,
317.128

■ 41, 101.596,
316.966

■ 57, 63.089,
316.816

■ 39, 105.360,
316.360

■ 63, 50.313,
316.423

■ 39, 105.656,
316.304

■ 69, 37.288,
315.990

■ 74, 24.279,
315.546

■ 80, 11.452,
315.105

■ 86, 1.098, 134.872

■ 92, 13.322,
134.337

■ 97, 22.855,
133.019

Harmonies

Complementary

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



48, 86.128, 317.304



77, 81.740, 131.549

Rectangle

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



48, 86.128, 317.304



48, 86.128, 7.304



48, 86.128, 137.304



48, 86.128, 187.304

Sweetspot

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



48, 86.127, 317.304



86, 30.804, 315.639



50, 57.910, 285.997



44, 20.900, 315.763



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 86.127, 317.304



51, 112.414, 317.168



54, 77.903, 333.870



42, 7.140, 315.118



31, 89.194, 316.459



4, 30.371, 315.455

Inverse Universe

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



51, 61.274, 5.214



56, 79.784, 10.696



76, 80.205, 142.352



42, 4.988, 354.673



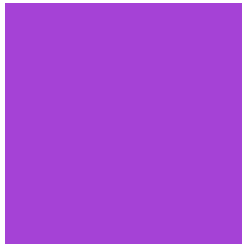
36, 63.983, 17.899



5, 22.389, 4.605

Previews

White Background



This preview shows how the CIELCh color 48, 86.128, 317.304 looks on a white background.

Color Contrast Check

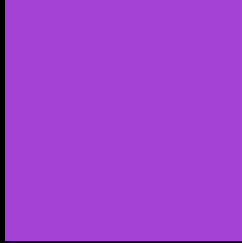
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 86.128, 317.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

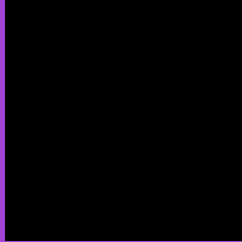
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 86.128, 317.304

Background



This preview shows how black text looks on a background with the CIELCh color 48, 86.128, 317.304.

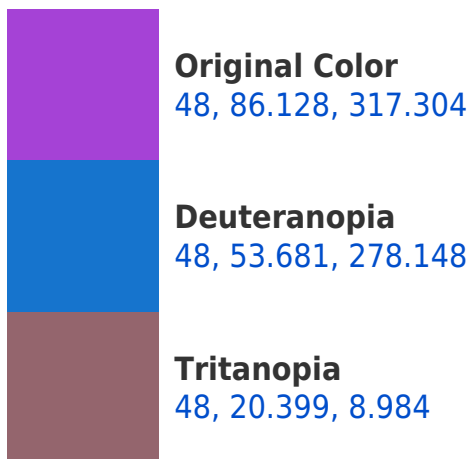


This preview shows how white text looks on a background with the CIELCh color 48, 86.128, 317.304.

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



Trichromacy



Original Color
48, 86.128, 317.304

Deuteranomaly
45, 65.122, 293.546

Tritanomaly
47, 41.821, 329.912

Monochromacy



Original Color
48, 86.128, 317.304

Achromatopsia
48, 0.006, 296.813

Achromatomaly
46, 34.600, 316.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 86.128, 317.304 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(165, 66, 214)` looks like.

```
.text, #text, p{  
    color:rgb(165, 66, 214)  
}
```

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(165, 66, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 66, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 86.128, 317.304 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(165, 66, 214) }
```

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

```
.border{ border-color:rgb(165, 66, 214) }
```

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

Here you see how a box with a 4 pixel rgb(165, 66, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 66, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 66, 214);  
box-shadow:4px 4px 4px 4px rgb(165, 66,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 86.128, 317.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 66, 214) }
```

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

```
.background{ background-color: rgb(165, 66,  
214) }
```

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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