

# Converting Colors

CIELCh(44, 87.000, 315.289)

Have a look what the booklet for  
CIELCh(44, 87.000, 315.289)  
contains.

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**Color**

**CIELCh(44, 87.212, 315.287)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	943AD0
RGB	148, 58, 208
RGB Percent	58%, 23%, 82%
CMY	0.4202, 0.7731, 0.1849
CMYK	0.29, 0.72, 0.00, 0.18
HSL	276°, 61%, 52%
HSV	276°, 72%, 82%
XYZ	25.0557, 13.8382, 60.9250
YIQ	102.0100, 5.4900, 65.7300

# Conversions

## Conversions Part 2

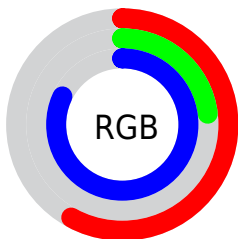
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 58, 208
Decimal	9714384
CIE <sub>Lab</sub>	44.00, 61.98, -61.36
CIE <sub>LCh</sub>	44, 87.212, 315.287
Yxy	13.8382, 0.2510, 0.1386
Android (android.graphics.Color)	4287904464 (0xFF943AD0)
YUV	102.0100, 52.2531, 40.3332
Hunter-Lab	37.1997, 55.1283, -71.0642

# Details

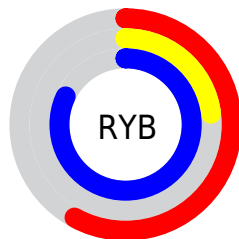
The CIELCh color **44, 87.212, 315.287** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **76, 80.884, 129.553**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 81.858, 316.618**, and **25, 82.939, 314.538** is the 20% darker color. If you saturate the color by 10%, you get **40, 95.822, 315.222**, and if you desaturate by 10%, it is **48, 76.648, 315.113**.

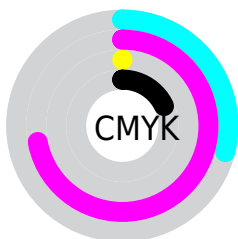
# Distribution



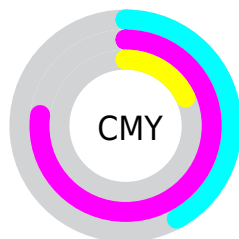
- Red (58%)
- Green (23%)
- Blue (82%)



- Red (58%)
- Yellow (23%)
- Blue (82%)



- Cyan (29%)
- Magenta (72%)
- Yellow (0%)
- Black (18%)



- Cyan (42%)
- Magenta (77%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 87.212, 315.287 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, 87.212, 315.287 by changing the saturation by 10% instead.




 44, 87.212,  
315.287


 44, 87.212,  
315.287

 100, 87.212,  
315.287

 34, 87.212,  
315.287

 64, 87.212,  
315.287

 24, 87.212,  
315.287

 74, 87.212,  
315.287

 14, 87.212,  
315.287

 84, 87.212,  
315.287

 4, 87.212, 315.287

 94, 87.212,  
315.287


 0, 87.212, 315.287

 44, 87.212,


 44, 87.212,


315.287


315.287


 40, 95.822,  
315.222


 48, 76.648,  
315.113


 37, 101.782,  
314.830

 53, 64.861,  
314.783

 36, 104.764,  
314.322

 59, 52.435,  
314.365


 65, 39.782,  
313.907

 70, 27.164,  
313.441

 76, 14.741,  
312.986

 82, 2.600, 312.513

 88, 9.214, 132.197

 94, 20.684,  
131.831

# Harmonies

# Complementary

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



44, 87.212, 315.287



76, 80.884, 129.553

# Rectangle

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



44, 87.212, 315.287



44, 87.212, 5.287



44, 87.212, 135.287



44, 87.212, 185.287

# Sweetspot

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



44, 87.211, 315.287



85, 31.827, 313.446



51, 51.915, 280.510



43, 21.445, 313.573



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



44, 87.211, 315.287



48, 116.284, 315.037



52, 82.728, 330.719



41, 6.884, 312.863



28, 89.428, 314.484



3, 27.421, 311.541



# Inverse Universe

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



49, 62.448, 0.693



56, 81.378, 6.422



74, 85.323, 139.719



41, 5.085, 350.214



36, 62.084, 11.271



5, 20.996, 0.117



# Previews

## White Background



This preview shows how the CIELCh color 44, 87.212, 315.287 looks on a white background.

## Color Contrast Check

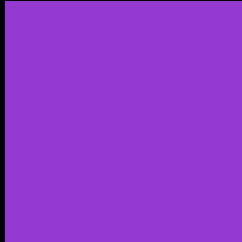
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.212, 315.287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

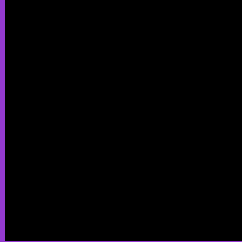
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 87.212, 315.287

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 87.212, 315.287.



This preview shows how white text looks on a background with the CIELCh color 44, 87.212, 315.287.


# 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**  
44, 15.047, 5.502

# Trichromacy



**Original Color**  
44, 87.212, 315.287



**Protanomaly**  
41, 75.497, 295.553



**Deuteranomaly**  
41, 63.337, 292.047



**Tritanomaly**  
43, 40.296, 324.610

# Monochromacy



**Original Color**  
44, 87.212, 315.287



**Achromatopsia**  
43, 0.006, 296.813



**Achromatomaly**  
42, 34.743, 314.506

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 87.212, 315.287 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(148, 58, 208)` looks like.

```
.text, #text, p{  
    color:rgb(148, 58, 208)  
}
```

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(148, 58, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 58, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 87.212, 315.287 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(148, 58, 208) }
```

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

```
.border{ border-color:rgb(148, 58, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 58, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 58, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 58, 208);  
box-shadow:4px 4px 4px 4px rgb(148, 58,  
208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 87.212, 315.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 58, 208) }
```

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

```
.background{ background-color: rgb(148, 58,  
208) }
```

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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