

Converting Colors

CIELCh(35, 47.560, 9.948)

Have a look what the booklet for
CIELCh(35, 47.560, 9.948) contains.

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Color

CIELCh(35, 47.560, 9.948)

Conversions

Conversions Part 1

Format	Color
Hex	952947
RGB	149, 41, 71
RGB Percent	58%, 16%, 28%
CMY	0.4141, 0.8377, 0.7203
CMYK	0.00, 0.72, 0.52, 0.41
HSL	343°, 57%, 37%
HSV	343°, 72%, 59%
XYZ	14.4199, 8.4984, 6.8943
YIQ	76.7120, 54.7380, 32.2260

Conversions

Conversions Part 2

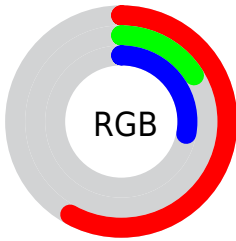
Format	Color
R_{YB}	149, 41, 71
Decimal	9775431
CIE _{Lab}	35.00, 46.84, 8.22
CIE _{LCh}	35, 47.560, 9.948
Yxy	8.4984, 0.4837, 0.2851
Android (android.graphics.Color)	4287965511 (0xFF952947)
YUV	76.7120, -2.8160, 63.3966
Hunter-Lab	29.1520, 37.2784, 6.3847

Details

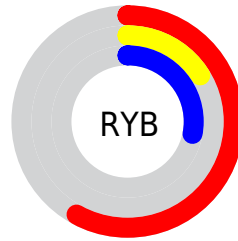
The CIELCh color **35, 47.560, 9.948** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **56, 38.183, 169.193**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 47.321, 10.060**, and **18, 41.143, 16.800** is the 20% darker color. If you saturate the color by 10%, you get **33, 52.470, 13.698**, and if you desaturate by 10%, it is **38, 41.740, 6.968**.

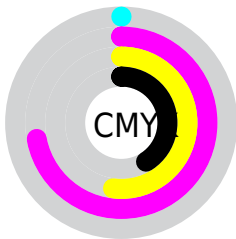
Distribution



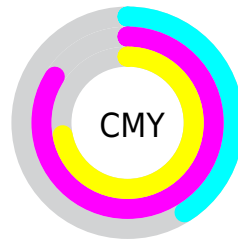
- Red (58%)
- Green (16%)
- Blue (28%)



- Red (58%)
- Yellow (16%)
- Blue (28%)



- Cyan (0%)
- Magenta (72%)
- Yellow (52%)
- Black (41%)



- Cyan (41%)
- Magenta (84%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 47.560, 9.948 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 35, 47.560, 9.948 by changing the saturation by 10% instead.

 35, 47.560, 9.948  35, 47.560, 9.948

 100, 47.560, 9.948  25, 47.560, 9.948

 55, 47.560, 9.948  15, 47.560, 9.948

 65, 47.560, 9.948  5, 47.560, 9.948

 75, 47.560, 9.948  0, 47.560, 9.948

 85, 47.560, 9.948

 95, 47.560, 9.948

 35, 47.560, 9.948  35, 47.560, 9.948

 33, 52.470, 13.698  38, 41.740, 6.968

 32, 56.397, 18.311  41, 35.265, 4.598

31, 59.172, 22.108

44, 28.422, 2.691

48, 21.464, 1.128

52, 14.577,
359.817

57, 7.881, 358.687

61, 1.439, 357.506

65, 4.718, 177.019

70, 10.587,
176.224

Harmonies

Complementary

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



35, 47.560, 9.948



56, 38.183, 169.193

Rectangle

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



35, 47.560, 9.948



35, 47.560, 59.948



35, 47.560, 189.948



35, 47.560, 239.948

Sweetspot

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



35, 47.557, 9.950



67, 17.793, 359.836



33, 66.911, 318.764



33, 11.972, 0.132



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



35, 47.557, 9.950



42, 66.799, 16.576



38, 46.125, 42.562



29, 3.569, 358.359



28, 55.617, 21.648



1, 3.063, 357.569

Inverse Universe

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



35, 47.557, 9.950



42, 66.799, 16.576



49, 26.184, 229.460



29, 3.569, 358.359



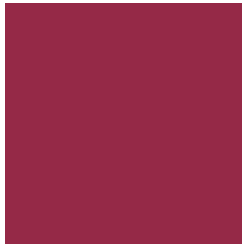
28, 55.617, 21.648



1, 3.063, 357.569

Previews

White Background



This preview shows how the CIELCh color 35, 47.560, 9.948 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 47.560, 9.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

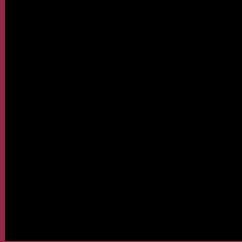
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 47.560, 9.948

Background



This preview shows how black text looks on a background with the CIELCh color 35, 47.560, 9.948.



This preview shows how white text looks on a background with the CIELCh color 35, 47.560, 9.948.

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

35, 47.560, 9.948

Protanopia

36, 6.234, 287.469

Deuteranopia

35, 11.884, 66.573



Tritanopia
35, 48.339, 27.587

Trichromacy



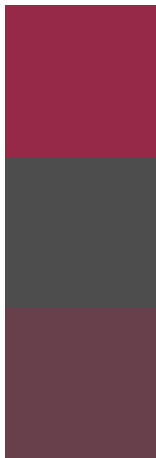
Original Color
35, 47.560, 9.948

Protanomaly
34, 19.789, 350.800

Deuteranomaly
34, 23.357, 20.513

Tritanomaly
35, 47.820, 21.323

Monochromacy



Original Color
35, 47.560, 9.948

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 18.679, 1.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 47.560, 9.948 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(149, 41, 71)` looks like.

```
.text, #text, p{  
    color:rgb(149, 41, 71)  
}
```

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(149, 41, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 41, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 47.560, 9.948 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(149, 41, 71) }
```

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

```
.border{ border-color:rgb(149, 41, 71) }
```

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

Here you see how a box with a 4 pixel rgb(149, 41, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 41, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 41, 71);  
box-shadow:4px 4px 4px 4px rgb(149, 41,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 47.560, 9.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 41, 71) }
```

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

```
.background{ background-color: rgb(149, 41,  
71) }
```

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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