

Converting Colors

CIELCh(35, 64.449, 47.587)

Have a look what the booklet for
CIELCh(35, 64.449, 47.587) contains.

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Color

CIELCh(35, 64.246, 47.422)

Conversions

Conversions Part 1

Format	Color
Hex	982C00
RGB	152, 44, 0
RGB Percent	60%, 17%, 0%
CMY	0.4034, 0.8270, 0.9996
CMYK	0.00, 0.71, 1.00, 0.40
HSL	17°, 100%, 30%
HSV	17°, 100%, 60%
XYZ	13.8791, 8.4984, 0.9114
YIQ	71.2760, 78.4920, 9.2120

Conversions

Conversions Part 2

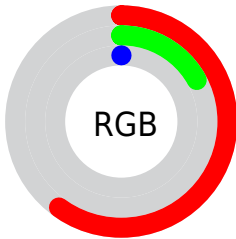
Format	Color
RYB	152, 62, 0
Decimal	9972736
CIELab	35.00, 43.47, 47.31
CIELCh	35, 64.246, 47.422
Yxy	8.4984, 0.5960, 0.3649
Android (android.graphics.Color)	4288162816 (0xFF982C00)
YUV	71.2760, -35.1391, 70.7949
Hunter-Lab	29.1520, 33.9668, 18.5527

Details

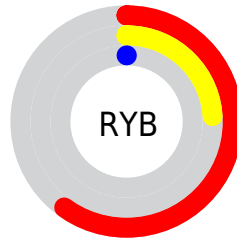
The CIELCh color **35, 64.246, 47.422** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **43, 32.556, 253.296**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 64.513, 47.318**, and **17, 46.147, 34.492** is the 20% darker color. If you saturate the color by 10%, you get **35, 64.284, 47.427**, and if you desaturate by 10%, it is **37, 57.927, 47.729**.

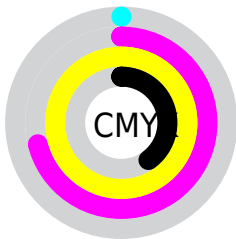
Distribution



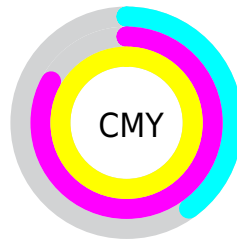
- Red (60%)
- Green (17%)
- Blue (0%)



- Red (60%)
- Yellow (24%)
- Blue (0%)



- Cyan (0%)
- Magenta (71%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (83%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 64.246, 47.422 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, 64.246, 47.422 by changing the saturation by 10% instead.

 35, 64.246, 47.422

 35, 64.246, 47.422

 100, 64.246,
47.422

 25, 64.246, 47.422

 55, 64.246, 47.422

 15, 64.246, 47.422

 65, 64.246, 47.422

 5, 64.246, 47.422

 75, 64.246, 47.422

 0, 64.246, 47.422

 85, 64.246, 47.422

 95, 64.246, 47.422

 35, 64.246, 47.422

 35, 64.246, 47.422

 35, 64.284, 47.427

 37, 57.927, 47.729

■ 39, 50.895, 47.965

■ 41, 43.402, 47.960

■ 44, 35.994, 47.967

■ 47, 28.913, 48.079

■ 50, 22.257, 48.316

■ 53, 16.052, 48.669

■ 56, 10.289, 49.112

■ 60, 4.939, 49.603

Harmonies

Complementary

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



35, 64.246, 47.422



43, 32.556, 253.296

Rectangle

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



35, 64.246, 47.422



35, 64.246, 97.422



35, 64.246, 227.422



35, 64.246, 277.422

Sweetspot

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



35, 64.244, 47.424



68, 20.063, 48.642



34, 63.634, 343.362



34, 13.857, 48.497



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



35, 64.244, 47.424



46, 78.997, 46.774



52, 57.767, 86.705



31, 2.814, 49.637



32, 60.271, 47.540



1, 2.954, 49.666

Inverse Universe

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



43, 32.556, 253.296



55, 40.056, 254.431



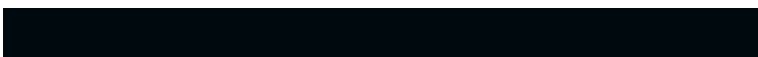
21, 77.019, 301.436



31, 2.679, 230.998



39, 30.600, 252.929



2, 2.948, 231.759

Previews

White Background



This preview shows how the CIELCh color 35, 64.246, 47.422 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 CIELCh color 35, 64.246, 47.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

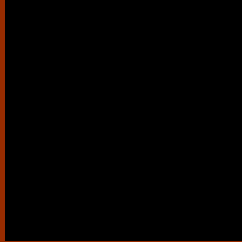
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 64.246, 47.422

Background



This preview shows how black text looks on a background with the CIELCh color 35, 64.246, 47.422.



This preview shows how white text looks on a background with the CIELCh color 35, 64.246, 47.422.

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, 64.246, 47.422

Protanopia

36, 38.034, 96.000

Deuteranopia

35, 43.881, 84.772



Tritanopia
35, 53.269, 29.818

Trichromacy



Original Color
35, 64.246, 47.422

Protanomaly
34, 42.377, 68.850

Deuteranomaly
34, 48.433, 65.491

Tritanomaly
35, 57.633, 38.392

Monochromacy



Original Color
35, 64.246, 47.422

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 23.253, 47.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 64.246, 47.422 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(152, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 44, 0)  
}
```

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(152, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 44, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 64.246, 47.422 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(152, 44, 0) }
```

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

```
.border{ border-color:rgb(152, 44, 0) }
```

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

Here you see how a box with a 4 pixel rgb(152, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 64.246, 47.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 44, 0) }
```

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

```
.background{ background-color: rgb(152, 44,  
0) }
```

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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