

Converting Colors

CIELCh(24, 47.514, 9.560)

Have a look what the booklet for
CIELCh(24, 47.514, 9.560) contains.

CIELCh(24, 47.472, 9.906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(24, 47.472, 9.906)

Conversions

Conversions Part 1

Format	Color
Hex	76022F
RGB	118, 2, 47
RGB Percent	46%, 1%, 18%
CMY	0.5373, 0.9921, 0.8157
CMYK	0.00, 0.98, 0.60, 0.54
HSL	337°, 97%, 24%
HSV	337°, 98%, 46%
XYZ	8.0061, 4.1002, 3.0588
YIQ	41.8140, 54.6910, 38.5870

Conversions

Conversions Part 2

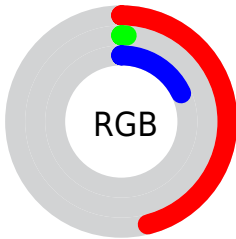
Format	Color
RYB	118, 2, 47
Decimal	7733807
CIELab	24.00, 46.76, 8.17
CIELCh	24, 47.472, 9.906
Yxy	4.1002, 0.5279, 0.2704
Android (android.graphics.Color)	4285923887 (0xFF76022F)
YUV	41.8140, 2.5567, 66.8151
Hunter-Lab	20.2490, 35.1399, 5.2179

Details

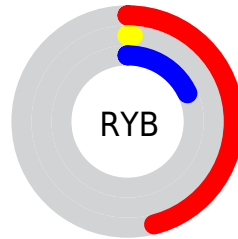
The CIELCh color **24, 47.472, 9.906** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 43.262, 156.842**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 47.395, 9.452**, and **10, 33.482, 27.273** is the 20% darker color. If you saturate the color by 10%, you get **24, 47.903, 10.565**, and if you desaturate by 10%, it is **25, 45.134, 5.897**.

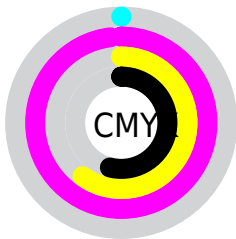
Distribution



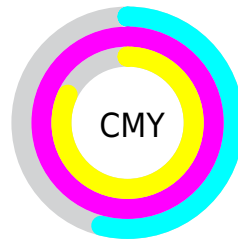
- Red (46%)
- Green (1%)
- Blue (18%)



- Red (46%)
- Yellow (1%)
- Blue (18%)



- Cyan (0%)
- Magenta (98%)
- Yellow (60%)
- Black (54%)



- Cyan (54%)
- Magenta (99%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 47.472, 9.906 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 24, 47.472, 9.906 by changing the saturation by 10% instead.

 24, 47.472, 9.906  24, 47.472, 9.906

 100, 47.472, 9.906  14, 47.472, 9.906

 44, 47.472, 9.906  4, 47.472, 9.906

 54, 47.472, 9.906  0, 47.472, 9.906

 64, 47.472, 9.906

 74, 47.472, 9.906

 84, 47.472, 9.906

 94, 47.472, 9.906

 24, 47.472, 9.906  24, 47.472, 9.906

 24, 47.903, 10.565  25, 45.134, 5.897

■ 26, 42.105, 2.435

■ 28, 38.064,
359.678

■ 31, 33.200,
357.471

■ 34, 27.770,
355.675

■ 37, 22.024,
354.183

■ 40, 16.164,
352.916

■ 43, 10.330,
351.814

■ 47, 4.616, 350.818

Harmonies

Complementary

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



24, 47.472, 9.906



43, 43.262, 156.842

Rectangle

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



24, 47.472, 9.906



24, 47.472, 59.906



24, 47.472, 189.906



24, 47.472, 239.906

Sweetspot

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



24, 47.470, 9.908



51, 20.519, 353.085



19, 68.183, 314.867



24, 14.033, 353.500



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



24, 47.470, 9.908



32, 57.955, 11.988



24, 55.146, 39.607



23, 3.120, 350.890



25, 49.191, 10.784



53, 83.944, 13.950

Inverse Universe

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



24, 47.470, 9.908



32, 57.955, 11.988



41, 25.236, 213.195



23, 3.120, 350.890



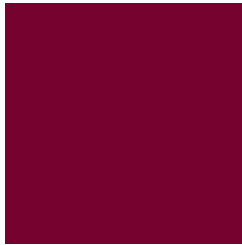
25, 49.191, 10.784



53, 83.944, 13.950

Previews

White Background



This preview shows how the CIE LCh color 24, 47.472, 9.906 looks on a white background.

Color Contrast Check

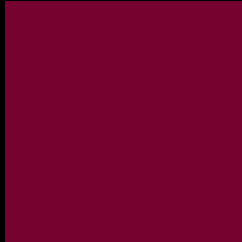
Large Text (above 18pt) WCAG AA ✓ Pass

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 24, 47.472, 9.906 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 24, 47.472, 9.906

Background



This preview shows how black text looks on a background with the CIELCh color 24, 47.472, 9.906.



This preview shows how white text looks on a background with the CIELCh color 24, 47.472, 9.906.

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

24, 47.472, 9.906

Protanopia

26, 5.924, 287.273

Deuteranopia

25, 12.751, 74.150



Tritanopia
25, 49.835, 34.455

Trichromacy



Original Color
24, 47.472, 9.906

Protanomaly
22, 22.986, 346.338

Deuteranomaly
23, 25.261, 17.123

Tritanomaly
24, 47.859, 25.660

Monochromacy



Original Color
24, 47.472, 9.906

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 22.809, 356.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 47.472, 9.906 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(118, 2, 47)` looks like.

```
.text, #text, p{  
    color:rgb(118, 2, 47)  
}
```

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(118, 2, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 2, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 47.472, 9.906 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(118, 2, 47) }
```

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

```
.border{ border-color:rgb(118, 2, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 2, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 2, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 2, 47);  
box-shadow:4px 4px 4px 4px rgb(118, 2, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 47.472, 9.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 2, 47) }
```

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

```
.background{ background-color: rgb(118, 2,  
47) }
```

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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