

Converting Colors

CIELCh(13, 83.033, 355.571)

Have a look what the booklet for
CIELCh(13, 83.033, 355.571)
contains.

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Color

CIELCh(24, 48.266, 11.526)

Conversions

Conversions Part 1

Format	Color
Hex	77002D
RGB	119, 0, 45
RGB Percent	47%, 0%, 18%
CMY	0.5337, 1.0000, 0.8238
CMYK	0.00, 1.00, 0.62, 0.53
HSL	337°, 100%, 23%
HSV	337°, 100%, 47%
XYZ	8.0641, 4.1002, 2.8412
YIQ	40.7110, 56.4790, 39.2230

Conversions

Conversions Part 2

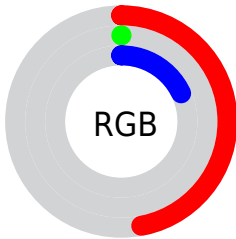
Format	Color
RYB	119, 0, 45
Decimal	7798829
CIELab	24.00, 47.29, 9.64
CIElCh	24, 48.266, 11.526
Yxy	4.1002, 0.5374, 0.2732
Android (android.graphics.Color)	4285988909 (0xFF77002D)
YUV	40.7110, 2.1145, 68.6595
Hunter-Lab	20.2490, 35.6516, 5.8551

Details

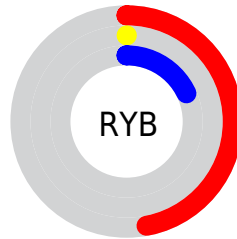
The CIELCh color **24, 48.266, 11.526** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **44, 43.469, 157.163**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 48.585, 11.657**, and **10, 33.482, 27.273** is the 20% darker color. If you saturate the color by 10%, you get **24, 48.238, 11.550**, and if you desaturate by 10%, it is **25, 45.808, 7.474**.

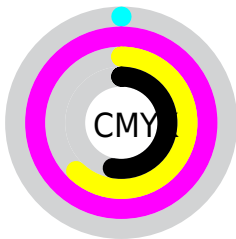
Distribution



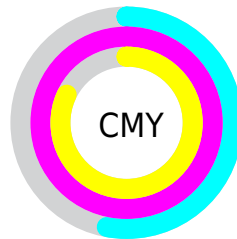
- Red (47%)
- Green (0%)
- Blue (18%)



- Red (47%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (53%)



- Cyan (53%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 48.266, 11.526 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, 48.266, 11.526 by changing the saturation by 10% instead.

 24, 48.266, 11.526

 24, 48.266, 11.526

 100, 48.266,
11.526

 14, 48.266, 11.526

 44, 48.266, 11.526

 4, 48.266, 11.526

 54, 48.266, 11.526

 0, 48.266, 11.526

 64, 48.266, 11.526

 74, 48.266, 11.526

 84, 48.266, 11.526

 94, 48.266, 11.526

 24, 48.266, 11.526

 24, 48.266, 11.526

■ 24, 48.238, 11.550

■ 25, 45.808, 7.474

■ 26, 42.894, 3.806

■ 28, 38.963, 0.882

■ 31, 34.179,
358.548

■ 33, 28.792,
356.658

■ 36, 23.058,
355.096

■ 40, 17.185,
353.778

■ 43, 11.326,
352.639

■ 46, 5.580, 351.622

Harmonies

Complementary

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



24, 48.266, 11.526



44, 43.469, 157.163

Rectangle

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



24, 48.266, 11.526



24, 48.266, 61.526



24, 48.266, 191.526



24, 48.266, 241.526

Sweetspot

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



24, 48.238, 11.550



51, 21.429, 353.872



19, 69.046, 315.282



25, 14.773, 354.304



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



24, 48.238, 11.550



33, 58.791, 13.029



24, 55.979, 40.358



23, 3.101, 351.526



25, 49.268, 11.726



53, 84.177, 14.933

Inverse Universe

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



24, 48.238, 11.550



33, 58.791, 13.029



40, 25.178, 216.690



23, 3.101, 351.526



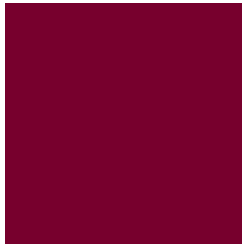
25, 49.268, 11.726



53, 84.177, 14.933

Previews

White Background



This preview shows how the CIELCh color 24, 48.266, 11.526 looks on a white background.

Color Contrast Check

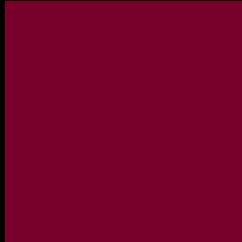
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.266, 11.526 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, 48.266, 11.526

Background



This preview shows how black text looks on a background with the CIELCh color 24, 48.266, 11.526.



This preview shows how white text looks on a background with the CIELCh color 24, 48.266, 11.526.

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, 48.266, 11.526

Protanopia

26, 3.280, 290.856

Deuteranopia

26, 14.170, 74.907



Tritanopia
25, 50.748, 34.799

Trichromacy



Original Color
24, 48.266, 11.526

Protanomaly
22, 22.827, 352.358

Deuteranomaly
23, 26.380, 19.252

Tritanomaly
24, 49.074, 26.835

Monochromacy



Original Color
24, 48.266, 11.526

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 22.667, 358.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 48.266, 11.526 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(119, 0, 45)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 45)  
}
```

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(119, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 48.266, 11.526 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(119, 0, 45) }
```

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

```
.border{ border-color:rgb(119, 0, 45) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(119, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 48.266, 11.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 45) }
```

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

```
.background{ background-color: rgb(119, 0,  
45) }
```

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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