

Converting Colors

CIELCh(24, 48.040, 14.055)

Have a look what the booklet for
CIELCh(24, 48.040, 14.055) contains.

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Color

CIELCh(24, 48.162, 14.207)

Conversions

Conversions Part 1

Format	Color
Hex	77022A
RGB	119, 2, 42
RGB Percent	47%, 1%, 16%
CMY	0.5345, 0.9939, 0.8362
CMYK	0.00, 0.99, 0.65, 0.53
HSL	339°, 97%, 24%
HSV	339°, 99%, 47%
XYZ	7.9978, 4.1002, 2.5399
YIQ	41.5430, 56.8920, 37.2440

Conversions

Conversions Part 2

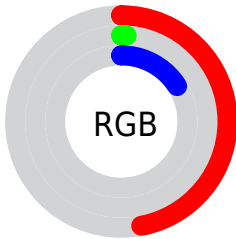
Format	Color
R_{YB}	119, 2, 42
Decimal	7799338
CIE _{Lab}	24.00, 46.69, 11.82
CIE _{LCh}	24, 48.162, 14.207
Yxy	4.1002, 0.5464, 0.2801
Android (android.graphics.Color)	4285989418 (0xFF77022A)
YUV	41.5430, 0.2253, 67.9298
Hunter-Lab	20.2490, 35.0672, 6.7374

Details

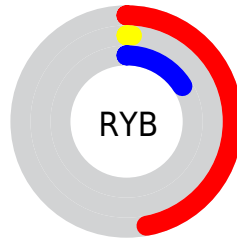
The CIELCh color **24, 48.162, 14.207** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **44, 41.365, 159.768**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 48.323, 14.134**, and **10, 33.482, 27.273** is the 20% darker color. If you saturate the color by 10%, you get **24, 48.544, 14.745**, and if you desaturate by 10%, it is **25, 45.486, 9.931**.

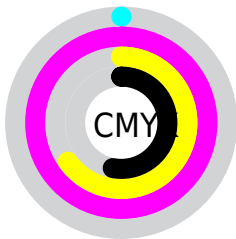
Distribution



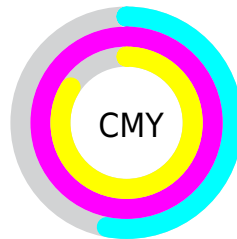
- Red (47%)
- Green (1%)
- Blue (16%)



- Red (47%)
- Yellow (1%)
- Blue (16%)



- Cyan (0%)
- Magenta (99%)
- Yellow (65%)
- Black (53%)



- Cyan (53%)
- Magenta (99%)
- Yellow (84%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 48.162, 14.207 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, 48.162, 14.207 by changing the saturation by 10% instead.

 24, 48.162, 14.207

 24, 48.162, 14.207

 100, 48.162,
14.207

 14, 48.162, 14.207

 44, 48.162, 14.207

 4, 48.162, 14.207

 54, 48.162, 14.207

 0, 48.162, 14.207

 64, 48.162, 14.207

 74, 48.162, 14.207

 84, 48.162, 14.207

 94, 48.162, 14.207

 24, 48.162, 14.207

 24, 48.162, 14.207

■ 24, 48.544, 14.745

■ 25, 45.486, 9.931

■ 26, 42.243, 6.174

■ 28, 38.068, 3.175

■ 31, 33.130, 0.782

■ 34, 27.673,
358.848

■ 37, 21.939,
357.256

■ 40, 16.121,
355.917

■ 43, 10.357,
354.764

■ 47, 4.734, 353.733

Harmonies

Complementary

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



24, 48.162, 14.207



44, 41.365, 159.768

Rectangle

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



24, 48.162, 14.207



24, 48.162, 64.207



24, 48.162, 194.207



24, 48.162, 244.207

Sweetspot

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



24, 48.160, 14.209



51, 21.089, 356.179



20, 68.010, 316.260



25, 14.549, 356.627



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, 48.160, 14.209



32, 59.348, 16.293



25, 54.749, 41.187



23, 3.041, 353.767



25, 49.651, 14.939



53, 85.191, 18.260

Inverse Universe

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



24, 48.160, 14.209



32, 59.348, 16.293



39, 24.714, 223.149



23, 3.041, 353.767



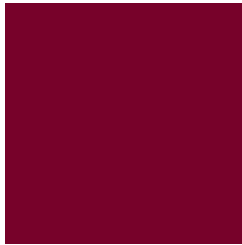
25, 49.651, 14.939



53, 85.191, 18.260

Previews

White Background



This preview shows how the CIE LCh color 24, 48.162, 14.207 looks on a white background.

Color Contrast Check

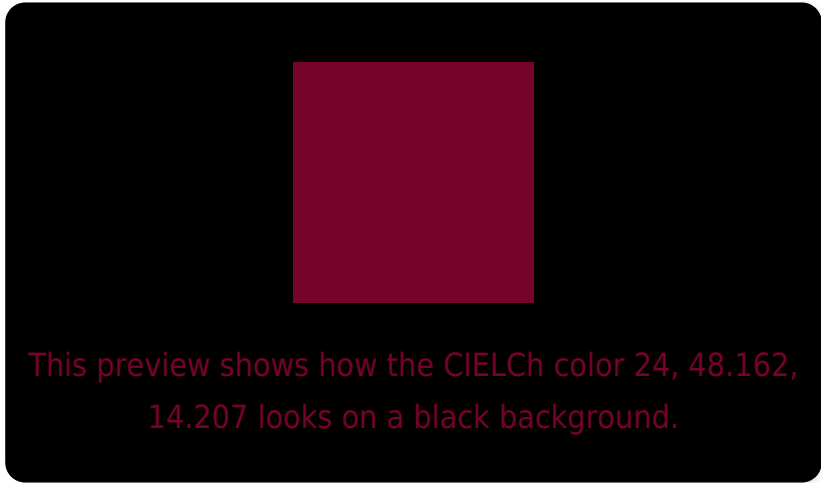
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 48.162, 14.207

Background



This preview shows how black text looks on a background with the CIELCh color 24, 48.162, 14.207.



This preview shows how white text looks on a background with the CIELCh color 24, 48.162, 14.207.

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, 48.162, 14.207

Protanopia

26, 1.125, 343.721

Deuteranopia

26, 16.155, 76.428



Tritanopia
25, 51.507, 35.568

Trichromacy



Original Color
24, 48.162, 14.207

Protanomaly
22, 22.404, 359.382

Deuteranomaly
22, 26.800, 23.409

Tritanomaly
24, 49.592, 28.201

Monochromacy



Original Color
24, 48.162, 14.207

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 21.935, 1.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 48.162, 14.207 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, 2, 42)` looks like.

```
.text, #text, p{  
    color:rgb(119, 2, 42)  
}
```

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, 2, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 2, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 48.162, 14.207 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, 2, 42) }
```

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

```
.border{ border-color:rgb(119, 2, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 2, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 2, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 2, 42);  
box-shadow:4px 4px 4px 4px rgb(119, 2, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 48.162, 14.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 2, 42) }
```

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

```
.background{ background-color: rgb(119, 2,  
42) }
```

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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