

Converting Colors

CIELCh(24, 47.291, 6.193)

Have a look what the booklet for
CIELCh(24, 47.291, 6.193) contains.

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Color

CIELCh(24, 47.385, 6.716)

Conversions

Conversions Part 1

Format	Color
Hex	760233
RGB	118, 2, 51
RGB Percent	46%, 1%, 20%
CMY	0.5385, 0.9940, 0.8009
CMYK	0.00, 0.99, 0.57, 0.54
HSL	335°, 97%, 23%
HSV	335°, 99%, 46%
XYZ	8.0385, 4.1002, 3.4724
YIQ	42.2700, 53.4070, 39.8310

Conversions

Conversions Part 2

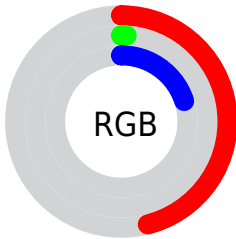
Format	Color
R_{YB}	118, 2, 51
Decimal	7733811
CIE Lab	24.00, 47.06, 5.54
CIE LCh	24, 47.385, 6.716
Yxy	4.1002, 0.5149, 0.2626
Android (android.graphics.Color)	4285923891 (0xFF760233)
YUV	42.2700, 4.3039, 66.4152
Hunter-Lab	20.2490, 35.4259, 4.0069

Details

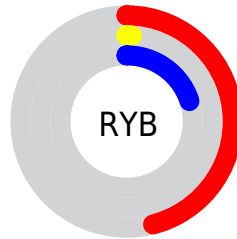
The CIELCh color **24, 47.385, 6.716** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 45.064, 154.555**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 47.467, 6.608**, and **10, 32.979, 24.757** is the 20% darker color. If you saturate the color by 10%, you get **24, 47.683, 7.193**, and if you desaturate by 10%, it is **25, 45.277, 2.959**.

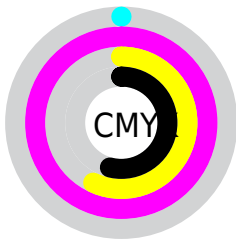
Distribution



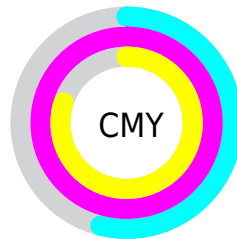
- Red (46%)
- Green (1%)
- Blue (20%)



- Red (46%)
- Yellow (1%)
- Blue (20%)



- Cyan (0%)
- Magenta (99%)
- Yellow (57%)
- Black (54%)




- Cyan (54%)
- Magenta (99%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 47.385, 6.716 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, 47.385, 6.716 by changing the saturation by 10% instead.

 24, 47.385, 6.716  24, 47.385, 6.716

 100, 47.385, 6.716  14, 47.385, 6.716

 44, 47.385, 6.716  4, 47.385, 6.716

 54, 47.385, 6.716  0, 47.385, 6.716

 64, 47.385, 6.716

 74, 47.385, 6.716

 84, 47.385, 6.716

 94, 47.385, 6.716

 24, 47.385, 6.716  24, 47.385, 6.716

 24, 47.683, 7.193  25, 45.277, 2.959

■ 26, 42.456,
359.703

■ 28, 38.553,
357.110

■ 31, 33.765,
355.028

■ 33, 28.357,
353.325

■ 36, 22.590,
351.900

■ 40, 16.672,
350.682

■ 43, 10.754,
349.616

■ 46, 4.935, 348.649

Harmonies

Complementary

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



24, 47.385, 6.716



43, 45.064, 154.555

Rectangle

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



24, 47.385, 6.716



24, 47.385, 56.716



24, 47.385, 186.716



24, 47.385, 236.716

Sweetspot

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



24, 47.383, 6.718



50, 21.643, 350.919



18, 68.654, 313.978



24, 14.705, 351.313



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, 47.383, 6.718



32, 57.695, 8.549



24, 55.654, 38.865



23, 3.189, 348.681



25, 49.044, 7.414



53, 83.354, 10.409

Inverse Universe

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



24, 47.383, 6.718



32, 57.695, 8.549



42, 25.987, 207.141



23, 3.189, 348.681



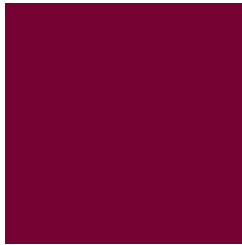
25, 49.044, 7.414



53, 83.354, 10.409

Previews

White Background



This preview shows how the CIE LCh color 24, 47.385, 6.716 looks on a white background.

Color Contrast Check

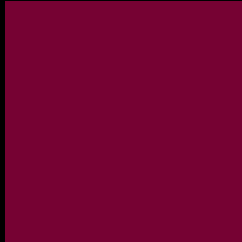
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.385, 6.716 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, 47.385, 6.716

Background



This preview shows how black text looks on a background with the CIELCh color 24, 47.385, 6.716.



This preview shows how white text looks on a background with the CIELCh color 24, 47.385, 6.716.

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, 47.385, 6.716

Protanopia

26, 9.216, 286.937

Deuteranopia

25, 10.256, 69.426



Tritanopia
25, 49.035, 33.578

Trichromacy



Original Color
24, 47.385, 6.716

Protanomaly
22, 24.753, 339.828

Deuteranomaly
22, 25.148, 9.776

Tritanomaly
24, 47.398, 24.190

Monochromacy



Original Color
24, 47.385, 6.716

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.006, 355.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 47.385, 6.716 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(118, 2, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 2, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 47.385, 6.716 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, 51) }
```

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

```
.border{ border-color:rgb(118, 2, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 2, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 2, 51);  
box-shadow:4px 4px 4px 4px rgb(118, 2, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 47.385, 6.716 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, 51) }
```

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

```
.background{ background-color: rgb(118, 2,  
51) }
```

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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