

Converting Colors

CIELCh(24, 47.571, 5.913)

Have a look what the booklet for
CIELCh(24, 47.571, 5.913) contains.

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Color

CIELCh(24, 47.583, 5.776)

Conversions

Conversions Part 1

Format	Color
Hex	760134
RGB	118, 1, 52
RGB Percent	46%, 0%, 20%
CMY	0.5380, 0.9972, 0.7967
CMYK	0.00, 0.99, 0.56, 0.54
HSL	334°, 99%, 23%
HSV	334°, 99%, 46%
XYZ	8.0695, 4.1002, 3.5975
YIQ	41.7970, 53.3610, 40.6650

Conversions

Conversions Part 2

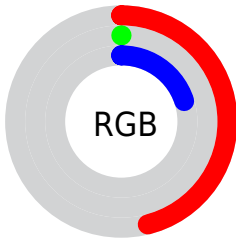
Format	Color
R_{YB}	118, 1, 52
Decimal	7733556
CIE Lab	24.00, 47.34, 4.79
CIE LCh	24, 47.583, 5.776
Yxy	4.1002, 0.5118, 0.2600
Android (android.graphics.Color)	4285923636 (0xFF760134)
YUV	41.7970, 5.0301, 66.8300
Hunter-Lab	20.2490, 35.6989, 3.6405

Details

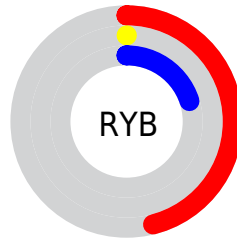
The CIELCh color **24, 47.583, 5.776** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 45.948, 153.667**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 47.507, 5.900**, and **10, 32.751, 23.471** is the 20% darker color. If you saturate the color by 10%, you get **24, 47.717, 5.995**, and if you desaturate by 10%, it is **25, 45.547, 2.114**.

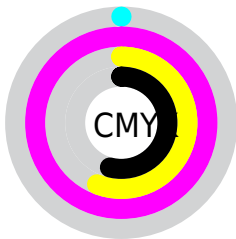
Distribution



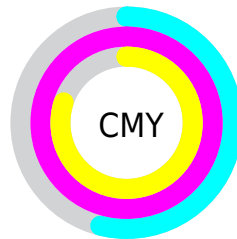
- Red (46%)
- Green (0%)
- Blue (20%)



- Red (46%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (99%)
- Yellow (56%)
- Black (54%)



- Cyan (54%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 47.583, 5.776 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, 47.583, 5.776 by changing the saturation by 10% instead.

 24, 47.583, 5.776  24, 47.583, 5.776

 100, 47.583, 5.776  14, 47.583, 5.776

 44, 47.583, 5.776  4, 47.583, 5.776

 54, 47.583, 5.776  0, 47.583, 5.776


 64, 47.583, 5.776

 74, 47.583, 5.776

 84, 47.583, 5.776

 94, 47.583, 5.776

 24, 47.583, 5.776  24, 47.583, 5.776

 24, 47.717, 5.995  25, 45.547, 2.114

■ 26, 42.855,
358.895

■ 28, 39.049,
356.332

■ 31, 34.321,
354.271

■ 33, 28.939,
352.585

■ 36, 23.166,
351.172

■ 39, 17.221,
349.963

■ 43, 11.258,
348.903

■ 46, 5.383, 347.944

Harmonies

Complementary

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



24, 47.583, 5.776



43, 45.948, 153.667

Rectangle

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



24, 47.583, 5.776



24, 47.583, 55.776



24, 47.583, 185.776



24, 47.583, 235.776

Sweetspot

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



24, 47.581, 5.778



51, 21.795, 350.118



18, 69.236, 313.544



24, 14.806, 350.505



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, 47.581, 5.778



32, 57.662, 7.312



24, 56.206, 38.632



23, 3.215, 347.911



25, 49.040, 6.205



53, 83.234, 9.129

Inverse Universe

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



24, 47.581, 5.778



32, 57.662, 7.312



43, 26.526, 204.306



23, 3.215, 347.911



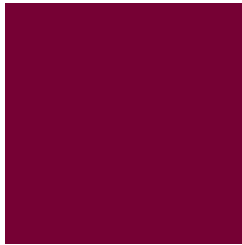
25, 49.040, 6.205



53, 83.234, 9.129

Previews

White Background



This preview shows how the CIELCh color 24, 47.583, 5.776 looks on a white background.

Color Contrast Check

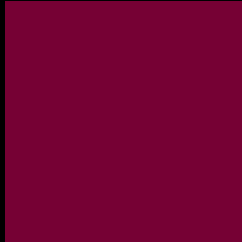
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.583, 5.776 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, 47.583, 5.776

Background



This preview shows how black text looks on a background with the CIELCh color 24, 47.583, 5.776.



This preview shows how white text looks on a background with the CIELCh color 24, 47.583, 5.776.

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, 47.583, 5.776

Protanopia

26, 9.900, 285.110

Deuteranopia

25, 9.735, 67.262



Tritanopia
25, 48.835, 33.896

Trichromacy



Original Color
24, 47.583, 5.776

Protanomaly
22, 25.583, 337.574

Deuteranomaly
22, 25.170, 8.280

Tritanomaly
24, 47.002, 23.672

Monochromacy



Original Color
24, 47.583, 5.776

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.223, 353.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 47.583, 5.776 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, 1, 52)` looks like.

```
.text, #text, p{  
    color:rgb(118, 1, 52)  
}
```

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, 1, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 1, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 47.583, 5.776 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, 1, 52) }
```

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

```
.border{ border-color:rgb(118, 1, 52) }
```

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

Here you see how a box with a 4 pixel rgb(118, 1, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 1, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 1, 52);  
box-shadow:4px 4px 4px 4px rgb(118, 1, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 47.583, 5.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 1, 52) }
```

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

```
.background{ background-color: rgb(118, 1,  
52) }
```

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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