

Converting Colors

CIELCh(24, 47.702, 2.642)

Have a look what the booklet for
CIELCh(24, 47.702, 2.642) contains.

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Color

CIELCh(24, 47.656, 2.085)

Conversions

Conversions Part 1

Format	Color
Hex	750038
RGB	117, 0, 56
RGB Percent	46%, 0%, 22%
CMY	0.5400, 0.9982, 0.7795
CMYK	0.00, 1.00, 0.52, 0.54
HSL	331°, 99%, 23%
HSV	331°, 100%, 46%
XYZ	8.1007, 4.1002, 4.1361
YIQ	41.3670, 51.7560, 42.2200

Conversions

Conversions Part 2

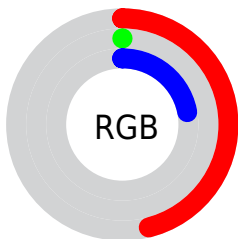
Format	Color
R_YB	117, 0, 56
Decimal	7667768
CIE Lab	24.00, 47.62, 1.73
CIE LCh	24, 47.656, 2.085
Yxy	4.1002, 0.4958, 0.2510
Android (android.graphics.Color)	4285857848 (0xFF750038)
YUV	41.3670, 7.2141, 66.3301
Hunter-Lab	20.2490, 35.9741, 2.0635

Details

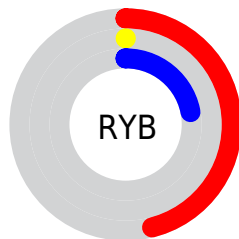
The CIELCh color **24, 47.656, 2.085** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 47.900, 151.387**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 47.934, 1.788**, and **10, 31.746, 18.926** is the 20% darker color. If you saturate the color by 10%, you get **24, 47.733, 2.214**, and if you desaturate by 10%, it is **25, 45.823, 358.752**.

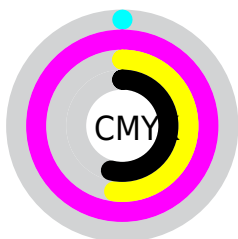
Distribution



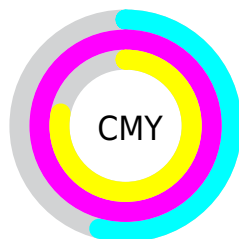
- Red (46%)
- Green (0%)
- Blue (22%)



- Red (46%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (54%)



- Cyan (54%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 47.656, 2.085 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, 47.656, 2.085 by changing the saturation by 10% instead.

 24, 47.656, 2.085  24, 47.656, 2.085

 100, 47.656, 2.085  14, 47.656, 2.085

 44, 47.656, 2.085  4, 47.656, 2.085

 54, 47.656, 2.085  0, 47.656, 2.085

 64, 47.656, 2.085

 74, 47.656, 2.085

 84, 47.656, 2.085

 94, 47.656, 2.085

 24, 47.656, 2.085  24, 47.656, 2.085

 24, 47.733, 2.214  25, 45.823,

358.752

■ 26, 43.300,
355.816

■ 28, 39.597,
353.472

■ 31, 34.915,
351.576

■ 33, 29.532,
350.012

■ 36, 23.718,
348.690

■ 39, 17.696,
347.548

■ 43, 11.633,
346.538

■ 46, 5.637, 345.618

Harmonies

Complementary

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



24, 47.656, 2.085



43, 47.900, 151.387

Rectangle

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



24, 47.656, 2.085



24, 47.656, 52.085



24, 47.656, 182.085



24, 47.656, 232.085

Sweetspot

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



24, 47.654, 2.086



51, 22.304, 347.673



17, 69.586, 312.736



24, 15.143, 348.038



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, 47.654, 2.086



32, 57.762, 3.440



23, 56.550, 37.888



23, 3.301, 345.567



25, 49.194, 2.428



54, 83.174, 5.108

Inverse Universe

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



24, 47.654, 2.086



32, 57.762, 3.440



44, 27.576, 198.903



23, 3.301, 345.567



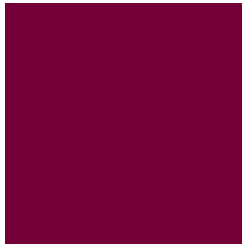
25, 49.194, 2.428



54, 83.174, 5.108

Previews

White Background



This preview shows how the CIE LCh color 24, 47.656, 2.085 looks on a white background.

Color Contrast Check

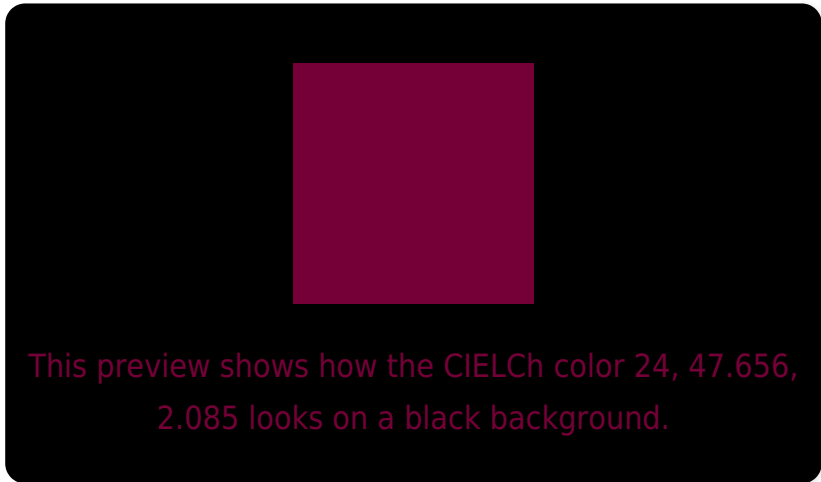
Large Text (above 18pt) WCAG AA ✓ Pass

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

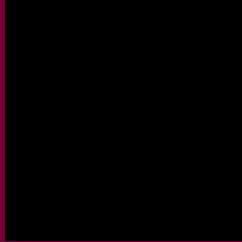
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 47.656, 2.085

Background



This preview shows how black text looks on a background with the CIELCh color 24, 47.656, 2.085.



This preview shows how white text looks on a background with the CIELCh color 24, 47.656, 2.085.

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, 47.656, 2.085

Protanopia

26, 13.863, 284.936

Deuteranopia

26, 7.509, 63.819



Tritanopia
25, 47.594, 32.912

Trichromacy



Original Color
24, 47.656, 2.085

Protanomaly
22, 27.552, 331.710

Deuteranomaly
23, 24.488, 2.594

Tritanomaly
24, 46.194, 21.910

Monochromacy



Original Color
24, 47.656, 2.085

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.115, 351.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 47.656, 2.085 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(117, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 56)  
}
```

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(117, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 47.656, 2.085 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(117, 0, 56) }
```

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

```
.border{ border-color:rgb(117, 0, 56) }
```

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

Here you see how a box with a 4 pixel rgb(117, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(117, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 47.656, 2.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 56) }
```

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

```
.background{ background-color: rgb(117, 0,  
56) }
```

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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