

Converting Colors

CIELCh(51, 24.486, 103.700)

Have a look what the booklet for
CIELCh(51, 24.486, 103.700)
contains.

CIELCh(51, 24.110, 103.837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 24.110, 103.837)

Conversions

Conversions Part 1

Format	Color
Hex	7E7B51
RGB	126, 123, 81
RGB Percent	49%, 48%, 32%
CMY	0.5050, 0.5168, 0.6816
CMYK	0.00, 0.02, 0.36, 0.51
HSL	56°, 22%, 41%
HSV	56°, 36%, 49%
XYZ	17.2390, 19.2686, 10.6352
YIQ	119.1090, 15.2700, -12.4260

Conversions

Conversions Part 2

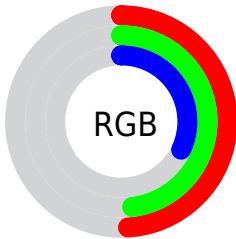
Format	Color
RYB	84, 126, 81
Decimal	8289105
CIELab	51.00, -5.77, 23.41
CIELCh	51, 24.110, 103.837
Yxy	19.2686, 0.3657, 0.4087
Android (android.graphics.Color)	4286479185 (0xFF7E7B51)
YUV	119.1090, -18.7877, 6.0434
Hunter-Lab	43.8960, -6.7170, 16.3623

Details

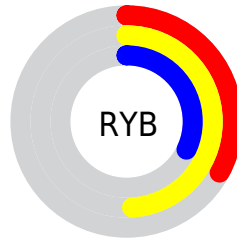
The CIELCh color $51, 24.110, 103.837$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 25.950, 291.926$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 23.826, 103.832$, and $31, 24.039, 103.279$ is the 20% darker color. If you saturate the color by 10%, you get $51, 30.624, 102.858$, and if you desaturate by 10%, it is $51, 17.429, 104.836$.

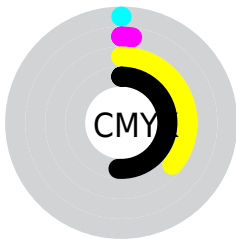
Distribution



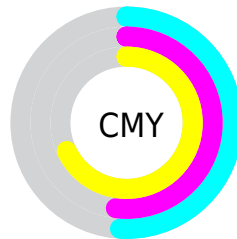
- Red (49%)
- Green (48%)
- Blue (32%)



- Red (33%)
- Yellow (49%)
- Blue (32%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (51%)





- Cyan (51%)
- Magenta (52%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 24.110, 103.837 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 51, 24.110, 103.837 by changing the saturation by 10% instead.


 51, 24.110,
103.837


 51, 24.110,
103.837


 100, 24.110,
103.837


 41, 24.110,
103.837


 71, 24.110,
103.837

 31, 24.110,
103.837

 81, 24.110,
103.837

 21, 24.110,
103.837

 91, 24.110,
103.837

 11, 24.110,
103.837

 1, 24.110, 103.837

 0, 24.110, 103.837

■ 51, 24.110,
103.837

■ 51, 24.110,
103.837

■ 51, 30.624,
102.858

■ 51, 17.429,
104.836

■ 50, 36.840,
101.906

■ 52, 10.659,
105.829

■ 50, 42.565,
101.006

■ 53, 3.852, 106.800

■ 49, 47.523,
100.181

■ 53, 2.959, 287.799

■ 54, 9.755, 288.715

■ 49, 51.367, 99.455

■ 54, 16.522,
289.610

■ 49, 53.900, 98.832

■ 55, 23.250,
290.468

■ 49, 54.924, 98.573

■ 56, 29.934,
291.286

■ 57, 36.568,
292.064

Harmonies

Complementary

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



51, 24.110, 103.837



37, 25.950, 291.926

Rectangle

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



51, 24.110, 103.837



51, 24.110, 153.837



51, 24.110, 283.837



51, 24.110, 333.837

Sweetspot

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



51, 24.111, 103.841



66, 9.238, 106.262



40, 20.199, 16.134



34, 6.175, 106.157



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 24.111, 103.841



64, 35.640, 103.020



50, 27.024, 124.401



27, 3.867, 106.471



49, 55.322, 98.569



0, 0.000, 0.000

Inverse Universe

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



37, 25.950, 291.926



44, 39.240, 293.394



38, 28.637, 308.025



24, 3.938, 288.311



14, 76.551, 305.047



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 24.110, 103.837 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 24.110, 103.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

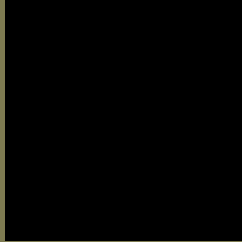
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 24.110, 103.837

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.110, 103.837.



This preview shows how white text looks on a background with the CIELCh color 51, 24.110, 103.837.

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


51, 24.110, 103.837

Protanopia

51, 24.123, 95.177

Deuteranopia

51, 23.499, 73.460



Tritanopia
51, 7.694, 337.399

Trichromacy



Original Color
51, 24.110, 103.837

Protanomaly
51, 24.386, 98.511

Deuteranomaly
51, 23.143, 85.509

Tritanomaly
51, 7.161, 73.573

Monochromacy



Original Color
51, 24.110, 103.837

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 9.296, 106.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.110, 103.837 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(126, 123, 81)` looks like.

```
.text, #text, p{  
    color:rgb(126, 123, 81)  
}
```

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(126, 123, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 123, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.110, 103.837 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(126, 123, 81) }
```

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

```
.border{ border-color:rgb(126, 123, 81) }
```

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

Here you see how a box with a 4 pixel rgb(126, 123, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 123, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 123, 81);  
box-shadow:4px 4px 4px 4px rgb(126, 123,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.110, 103.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 123, 81) }
```

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

```
.background{ background-color: rgb(126,  
123, 81) }
```

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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