

# Converting Colors

CIELCh(51, 26.027, 80.313)

Have a look what the booklet for  
CIELCh(51, 26.027, 80.313) contains.

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# Color

**CIELCh(51, 25.971, 80.920)**

# Conversions

Conversions Part 1	
Format	Color
Hex	8F764E
RGB	143, 118, 78
RGB Percent	56%, 46%, 31%
CMY	0.4402, 0.5381, 0.6950
CMYK	0.00, 0.17, 0.46, 0.44
HSL	37°, 29%, 43%
HSV	37°, 46%, 56%
XYZ	19.1051, 19.2686, 9.8796
YIQ	120.9150, 27.7400, -7.1400

# Conversions

## Conversions Part 2

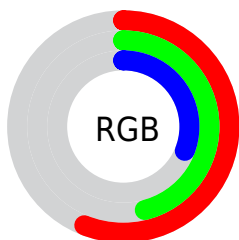
Format	Color
<a href="#">RYB</a>	<a href="#">119, 143, 78</a>
Decimal	<a href="#">9401934</a>
CIELab	<a href="#">51.00, 4.10, 25.65</a>
CIELCh	<a href="#">51, 25.971, 80.920</a>
Yxy	<a href="#">19.2686, 0.3959, 0.3993</a>
Android (android.graphics.Color)	<a href="#">4287592014</a> (0xFF8F764E)
YUV	<a href="#">120.9150, -21.1571, 19.3685</a>
Hunter-Lab	<a href="#">43.8960, 0.8715, 17.3829</a>

# Details

The CIELCh color **51, 25.971, 80.920** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **43, 24.976, 274.709**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 25.771, 80.781**, and **31, 26.255, 81.131** is the 20% darker color. If you saturate the color by 10%, you get **49, 31.972, 79.526**, and if you desaturate by 10%, it is **53, 20.025, 82.280**.

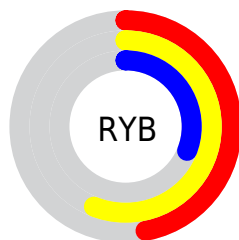
# Distribution



Red (56%)

Green (46%)

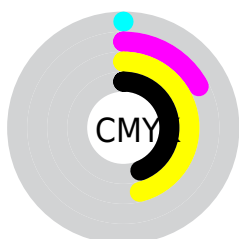
Blue (31%)



Red (47%)

Yellow (56%)

Blue (31%)

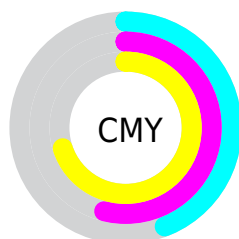


Cyan (0%)

Magenta (17%)

Yellow (46%)

Black (44%)



Cyan (44%)

Magenta (54%)













Yellow (70%)







# Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 25.971, 80.920 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, 25.971, 80.920 by changing the saturation by 10% instead.



 51, 25.971, 80.920	 51, 25.971, 80.920
 100, 25.971, 80.920	 41, 25.971, 80.920
 71, 25.971, 80.920	 31, 25.971, 80.920
 81, 25.971, 80.920	 21, 25.971, 80.920
 91, 25.971, 80.920	 11, 25.971, 80.920
	 1, 25.971, 80.920
	 0, 25.971, 80.920

 51, 25.971, 80.920	 51, 25.971, 80.920
 49, 31.972, 79.526	 53, 20.025, 82.280
 48, 37.898, 78.062	 55, 14.197, 83.597

 46, 43.506, 76.480

 56, 8.513, 84.873

 45, 48.374, 74.672


 58, 2.980, 86.073


 43, 51.998, 72.488


 60, 2.406, 267.441

 42, 53.615, 71.564

 62, 7.654, 268.539

 64, 12.775,  
269.639

 66, 17.780,  
270.696

 68, 22.679,  
271.705

# Harmonies

# Complementary

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



51, 25.971, 80.920



43, 24.976, 274.709

# Rectangle

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



51, 25.971, 80.920



51, 25.971, 130.920



51, 25.971, 260.920



51, 25.971, 310.920

# Sweetspot

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



51, 25.971, 80.925



72, 9.525, 85.025



42, 30.767, 354.549



38, 6.646, 84.780



88, 0.010, 296.813



40, 0.006, 296.813



# Same Dimension

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



51, 25.971, 80.925



63, 39.354, 79.432



57, 35.926, 110.549



29, 3.071, 85.650



40, 51.515, 71.741



1, 2.056, 86.811





# Inverse Universe

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



43, 24.976, 274.709



51, 37.666, 277.487



37, 40.291, 299.122



28, 3.055, 268.039



24, 54.521, 292.415



1, 2.057, 266.819



# Previews

## White Background



This preview shows how the CIELCh color 51, 25.971, 80.920 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, 25.971, 80.920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

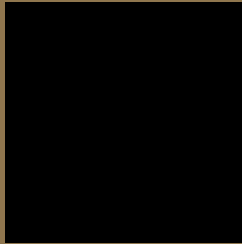
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 51, 25.971, 80.920**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 51, 25.971, 80.920.



This preview shows how white text looks on a background with the CIELCh color 51, 25.971, 80.920.

# 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, 25.971, 80.920

### Protanopia

51, 25.098, 96.558

### Deuteranopia

51, 26.249, 75.529

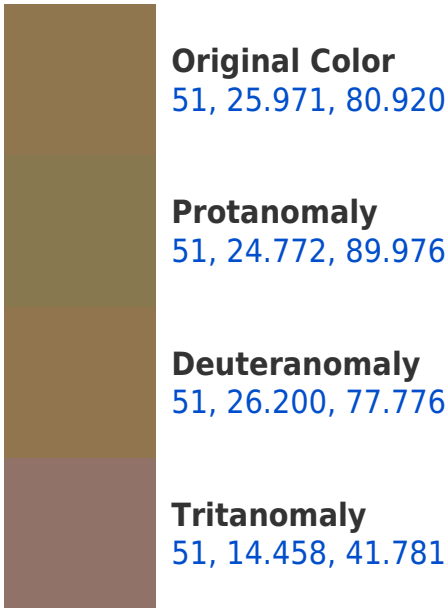


## Tritanopia

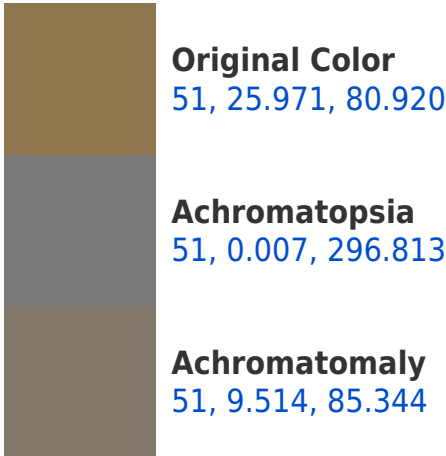
51, 15.295, 1.431



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 25.971, 80.920 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(143, 118, 78)` looks like.

```
.text, #text, p{  
    color:rgb(143, 118, 78)  
}
```

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(143, 118, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 118, 78) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 25.971, 80.920 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(143, 118, 78) }
```

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

```
.border{ border-color:rgb(143, 118, 78) }
```

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

Here you see how a box with a 4 pixel rgb(143, 118, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 118, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 118, 78);  
box-shadow:4px 4px 4px 4px rgb(143, 118,  
78) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 25.971, 80.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 118, 78) }
```

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

```
.background{ background-color: rgb(143,  
118, 78) }
```

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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