

Converting Colors

CIELCh(51, 44.451, 151.664)

Have a look what the booklet for
CIELCh(51, 44.451, 151.664)
contains.

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Color

CIELCh(51, 44.116, 151.725)

Conversions

Conversions Part 1

Format	Color
Hex	318954
RGB	49, 137, 84
RGB Percent	19%, 54%, 33%
CMY	0.8067, 0.4617, 0.6697
CMYK	0.64, 0.00, 0.39, 0.46
HSL	144°, 47%, 37%
HSV	144°, 64%, 54%
XYZ	11.8724, 19.2686, 11.5295
YIQ	104.6460, -35.4350, -35.1390

Conversions

Conversions Part 2

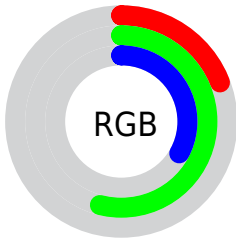
Format	Color
RYB	49, 112, 137
Decimal	3246420
CIELab	51.00, -38.85, 20.90
CIELCh	51, 44.116, 151.725
Yxy	19.2686, 0.2782, 0.4516
Android (android.graphics.Color)	4281436500 (0xFF318954)
YUV	104.6460, -10.1785, -48.8015
Hunter-Lab	43.8960, -28.5396, 15.1545

Details

The CIELCh color **51, 44.116, 151.725** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **35, 44.848, 344.663**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 43.994, 151.679**, and **31, 41.030, 148.340** is the 20% darker color. If you saturate the color by 10%, you get **51, 49.677, 150.080**, and if you desaturate by 10%, it is **52, 37.997, 153.181**.

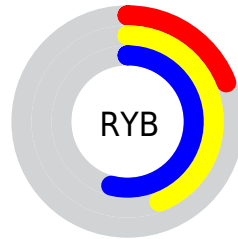
Distribution



Red (19%)

Green (54%)

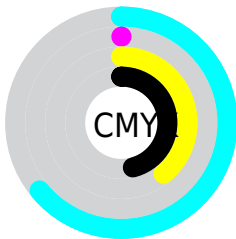
Blue (33%)



Red (19%)

Yellow (44%)

Blue (54%)

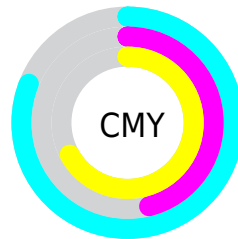


Cyan (64%)

Magenta (0%)

Yellow (39%)

Black (46%)



Cyan (81%)

Magenta (46%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 44.116, 151.725 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, 44.116, 151.725 by changing the saturation by 10% instead.

 51, 44.116,
151.725

 51, 44.116,
151.725


 100, 44.116,
151.725

 41, 44.116,
151.725


 71, 44.116,
151.725

 31, 44.116,
151.725

 81, 44.116,
151.725

 21, 44.116,
151.725

 91, 44.116,
151.725

 11, 44.116,
151.725

 1, 44.116, 151.725

 0, 44.116, 151.725

■ 51, 44.116,
151.725

■ 51, 44.116,
151.725

■ 51, 49.677,
150.080

■ 52, 37.997,
153.181

■ 50, 54.600,
148.246

■ 52, 31.426,
154.461

■ 50, 58.856,
146.248

■ 53, 24.523,
155.586

■ 50, 61.188,
145.124

■ 54, 17.405,
156.578

■ 55, 10.181,
157.462

■ 57, 2.942, 158.306

■ 58, 4.240, 338.839

■ 59, 11.309,
339.506

■ 61, 18.225,
340.084

Harmonies

Complementary

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



51, 44.116, 151.725



35, 44.848, 344.663

Rectangle

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



51, 44.116, 151.725



51, 44.116, 201.725



51, 44.116, 331.725



51, 44.116, 21.725

Sweetspot

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



51, 44.117, 151.725



70, 17.022, 157.003



53, 49.631, 122.002



36, 11.667, 156.779



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 44.117, 151.725



64, 63.087, 149.260



52, 28.608, 184.475



28, 4.082, 157.871



48, 59.573, 145.202



1, 1.893, 158.509

Inverse Universe

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



35, 44.848, 344.663



42, 62.281, 347.018



34, 40.717, 19.687



27, 4.114, 339.128



28, 54.111, 351.746



0, 1.893, 338.501

Previews

White Background



This preview shows how the CIELCh color 51, 44.116, 151.725 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, 44.116, 151.725 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, 44.116, 151.725

Background



This preview shows how black text looks on a background with the CIELCh color 51, 44.116, 151.725.



This preview shows how white text looks on a background with the CIELCh color 51, 44.116, 151.725.

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, 44.116, 151.725

Protanopia

51, 25.131, 96.526

Deuteranopia

51, 20.015, 70.851



Tritanopia
51, 20.700, 215.787

Trichromacy



Original Color
51, 44.116, 151.725

Protanomaly
50, 29.154, 129.266

Deuteranomaly
50, 22.292, 124.261

Tritanomaly
51, 25.893, 179.658

Monochromacy



Original Color
51, 44.116, 151.725

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 17.623, 155.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 44.116, 151.725 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(49, 137, 84)` looks like.

```
.text, #text, p{  
    color:rgb(49, 137, 84)  
}
```

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(49, 137, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 137, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 44.116, 151.725 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(49, 137, 84) }
```

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

```
.border{ border-color:rgb(49, 137, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 137, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 137, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 137, 84);  
box-shadow:4px 4px 4px 4px rgb(49, 137,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 44.116, 151.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 137, 84) }
```

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

```
.background{ background-color: rgb(49, 137,  
84) }
```

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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