

Converting Colors

CIELCh(54, 43.631, 87.117)

Have a look what the booklet for
CIELCh(54, 43.631, 87.117) contains.

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Color

CIELCh(54, 43.664, 87.210)

Conversions

Conversions Part 1

Format	Color
Hex	9A7E33
RGB	154, 126, 51
RGB Percent	60%, 49%, 20%
CMY	0.3967, 0.5065, 0.8006
CMYK	0.00, 0.18, 0.67, 0.40
HSL	44°, 50%, 40%
HSV	44°, 67%, 60%
XYZ	21.3306, 21.9746, 6.2323
YIQ	125.8220, 40.7630, -17.3890

Conversions

Conversions Part 2

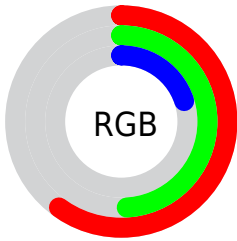
Format	Color
R_{YB}	89, 154, 51
Decimal	10124851
CIE Lab	54.00, 2.13, 43.61
CIE LCh	54, 43.664, 87.210
Yxy	21.9746, 0.4306, 0.4436
Android (android.graphics.Color)	4288314931 (0xFF9A7E33)
YUV	125.8220, -36.8872, 24.7121
Hunter-Lab	46.8770, -0.8112, 24.9313

Details

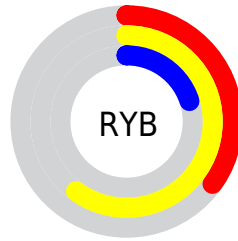
The CIELCh color **54, 43.664, 87.210** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **35, 46.695, 288.829**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 43.522, 86.894**, and **34, 42.691, 86.380** is the 20% darker color. If you saturate the color by 10%, you get **53, 49.195, 85.753**, and if you desaturate by 10%, it is **55, 37.469, 88.595**.

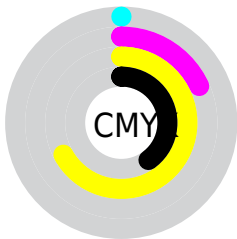
Distribution



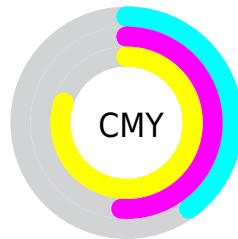
- Red (60%)
- Green (49%)
- Blue (20%)



- Red (35%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (18%)
- Yellow (67%)
- Black (40%)



- Cyan (40%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 43.664, 87.210 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 54, 43.664, 87.210 by changing the saturation by 10% instead.

■ 54, 43.664, 87.210

■ 54, 43.664, 87.210

■ 100, 43.664,
87.210

■ 44, 43.664, 87.210

■ 74, 43.664, 87.210

■ 34, 43.664, 87.210

■ 84, 43.664, 87.210

■ 24, 43.664, 87.210

■ 94, 43.664, 87.210

■ 14, 43.664, 87.210

■ 4, 43.664, 87.210

■ 0, 43.664, 87.210

■ 54, 43.664, 87.210

■ 54, 43.664, 87.210

■ 53, 49.195, 85.753

■ 55, 37.469, 88.595

■ 52, 53.565, 84.147

■ 57, 30.945, 89.930

■ 50, 56.371, 82.319

■ 58, 24.295, 91.230

■ 50, 57.188, 81.771

■ 59, 17.631, 92.497

■ 61, 11.015, 93.727

■ 62, 4.477, 94.902

■ 64, 1.969, 276.176

■ 66, 8.319, 277.221

■ 67, 14.575,
278.273

Harmonies

Complementary

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



54, 43.664, 87.210



35, 46.695, 288.829

Rectangle

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



54, 43.664, 87.210



54, 43.664, 137.210



54, 43.664, 267.210



54, 43.664, 317.210

Sweetspot

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



54, 43.664, 87.213



76, 16.071, 93.308



37, 45.618, 7.822



40, 10.954, 92.993



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



54, 43.664, 87.213



66, 62.155, 85.037



60, 54.419, 114.747



32, 3.637, 94.641



46, 53.486, 81.969



3, 3.867, 94.873

Inverse Universe

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



35, 46.695, 288.829



39, 70.235, 293.403



30, 64.808, 305.060



30, 3.657, 276.901



21, 67.167, 298.950



1, 3.939, 276.064

Previews

White Background



This preview shows how the CIELCh color 54, 43.664, 87.210 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 CIE LCh color 54, 43.664, 87.210 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 54, 43.664, 87.210

Background



This preview shows how black text looks on a background with the CIELCh color 54, 43.664, 87.210.



This preview shows how white text looks on a background with the CIELCh color 54, 43.664, 87.210.

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


54, 43.664, 87.210

Protanopia

54, 43.222, 96.084

Deuteranopia

54, 43.882, 80.756



Tritanopia
54, 17.926, 4.924

Trichromacy



Original Color
54, 43.664, 87.210

Protanomaly
54, 42.938, 92.207

Deuteranomaly
54, 43.453, 83.221

Tritanomaly
54, 20.937, 57.319

Monochromacy



Original Color
54, 43.664, 87.210

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 16.119, 92.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 43.664, 87.210 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(154, 126, 51)` looks like.

```
.text, #text, p{  
    color:rgb(154, 126, 51)  
}
```

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(154, 126, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 126, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 43.664, 87.210 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(154, 126, 51) }
```

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

```
.border{ border-color:rgb(154, 126, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 126, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 126, 51); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 126, 51); box-shadow:4px 4px 4px 4px rgb(154, 126, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 43.664, 87.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 126, 51) }
```

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

```
.background{ background-color: rgb(154,  
126, 51) }
```

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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