

Converting Colors

CIELCh(51, 43.774, 123.876)

Have a look what the booklet for
CIELCh(51, 43.774, 123.876)
contains.

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Color

CIELCh(51, 43.772, 123.875)

Conversions

Conversions Part 1

Format	Color
Hex	638338
RGB	99, 131, 56
RGB Percent	39%, 51%, 22%
CMY	0.6106, 0.4851, 0.7793
CMYK	0.24, 0.00, 0.57, 0.49
HSL	86°, 40%, 37%
HSV	86°, 57%, 51%
XYZ	14.0537, 19.2686, 6.7552
YIQ	112.8820, 5.0030, -30.1090

Conversions

Conversions Part 2

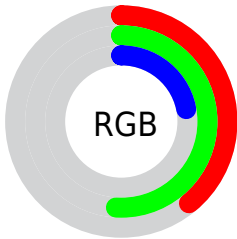
Format	Color
RYB	56, 131, 88
Decimal	6521656
CIELab	51.00, -24.40, 36.34
CIELCh	51, 43.772, 123.875
Yxy	19.2686, 0.3507, 0.4808
Android (android.graphics.Color)	4284711736 (0xFF638338)
YUV	112.8820, -28.0428, -12.1745
Hunter-Lab	43.8960, -19.6698, 21.6030

Details

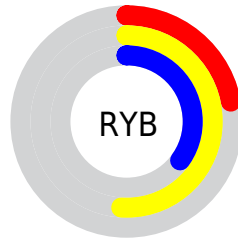
The CIELCh color $51, 43.772, 123.875$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $31, 48.316, 309.685$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 43.849, 123.555$, and $31, 43.661, 123.753$ is the 20% darker color. If you saturate the color by 10%, you get $51, 50.348, 123.649$, and if you desaturate by 10%, it is $52, 36.621, 124.249$.

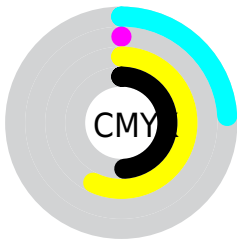
Distribution



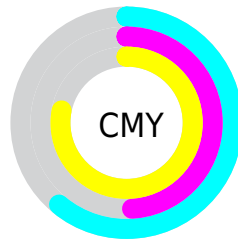
- Red (39%)
- Green (51%)
- Blue (22%)



- Red (22%)
- Yellow (51%)
- Blue (35%)



- Cyan (24%)
- Magenta (0%)
- Yellow (57%)
- Black (49%)





- Cyan (61%)
- Magenta (49%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 43.772, 123.875 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, 43.772, 123.875 by changing the saturation by 10% instead.


 51, 43.772,
123.875


 51, 43.772,
123.875


 100, 43.772,
123.875


 41, 43.772,
123.875


 71, 43.772,
123.875

 31, 43.772,
123.875

 81, 43.772,
123.875

 21, 43.772,
123.875

 91, 43.772,
123.875

 11, 43.772,
123.875

 1, 43.772, 123.875

 0, 43.772, 123.875

■ 51, 43.772,
123.875

■ 51, 43.772,
123.875

■ 51, 50.348,
123.649

■ 52, 36.621,
124.249

■ 50, 56.062,
123.661

■ 52, 29.102,
124.700

■ 50, 60.596,
124.024

■ 53, 21.367,
125.184

■ 49, 63.892,
124.750

■ 54, 13.517,
125.673

■ 49, 64.804,
124.938

■ 54, 5.624, 126.153

■ 55, 2.261, 306.560

■ 56, 10.103,
307.003

■ 57, 17.875,
307.393

■ 58, 25.559,
307.750

Harmonies

Complementary

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



51, 43.772, 123.875



31, 48.316, 309.685

Rectangle

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



51, 43.772, 123.875



51, 43.772, 173.875



51, 43.772, 303.875



51, 43.772, 353.875

Sweetspot

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



51, 43.773, 123.876



68, 16.628, 125.661



41, 29.190, 60.258



36, 11.208, 125.580



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 43.773, 123.876



64, 63.561, 123.621



49, 50.355, 138.183



28, 4.482, 126.058



49, 64.351, 124.923



1, 1.075, 126.464

Inverse Universe

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



31, 48.316, 309.685



35, 72.109, 310.397



36, 50.441, 324.694



26, 4.549, 306.882



18, 76.641, 310.682



0, 1.076, 306.462

Previews

White Background



This preview shows how the CIELCh color 51, 43.772, 123.875 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, 43.772, 123.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

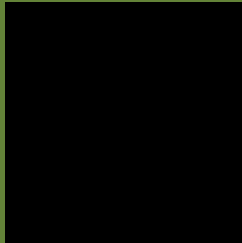
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 43.772, 123.875

Background



This preview shows how black text looks on a background with the CIELCh color 51, 43.772, 123.875.



This preview shows how white text looks on a background with the CIELCh color 51, 43.772, 123.875.

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, 43.772, 123.875

Protanopia
51, 38.654, 95.294

Deuteranopia
51, 35.278, 78.817



Tritanopia
51, 7.511, 250.223

Trichromacy



Original Color
51, 43.772, 123.875

Protanomaly
51, 39.398, 107.092

Deuteranomaly
50, 35.306, 97.933

Tritanomaly
51, 14.746, 142.245

Monochromacy



Original Color
51, 43.772, 123.875

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 17.090, 125.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 43.772, 123.875 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(99, 131, 56)` looks like.

```
.text, #text, p{  
    color:rgb(99, 131, 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(99, 131, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 131, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 43.772, 123.875 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(99, 131, 56) }
```

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

```
.border{ border-color:rgb(99, 131, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 131, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 131, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 131, 56);  
box-shadow:4px 4px 4px 4px rgb(99, 131,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 43.772, 123.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 131, 56) }
```

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

```
.background{ background-color: rgb(99, 131,  
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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