

Converting Colors

CIELCh(51, 24.655, 157.806)

Have a look what the booklet for
CIELCh(51, 24.655, 157.806)
contains.

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Color

CIELCh(51, 24.760, 157.662)

Conversions

Conversions Part 1

Format	Color
Hex	538469
RGB	83, 132, 105
RGB Percent	33%, 52%, 41%
CMY	0.6756, 0.4834, 0.5893
CMYK	0.37, 0.00, 0.20, 0.48
HSL	147°, 23%, 42%
HSV	147°, 37%, 52%
XYZ	14.2935, 19.2686, 16.2592
YIQ	114.2710, -20.5370, -18.7850

Conversions

Conversions Part 2

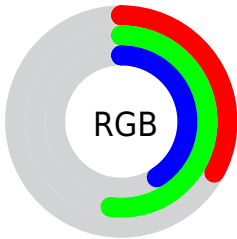
Format	Color
R_{YB}	83, 117, 132
Decimal	5473385
CIE _{Lab}	51.00, -22.90, 9.41
CIE _{LCh}	51, 24.760, 157.662
Yxy	19.2686, 0.2869, 0.3868
Android (android.graphics.Color)	4283663465 (0xFF538469)
YUV	114.2710, -4.5706, -27.4247
Hunter-Lab	43.8960, -18.6944, 8.7661

Details

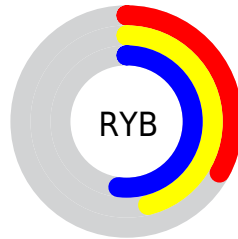
The CIELCh color $51, 24.760, 157.662$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 25.580, 344.253$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 24.715, 157.749$, and $31, 24.600, 157.904$ is the 20% darker color. If you saturate the color by 10%, you get $50, 31.046, 156.474$, and if you desaturate by 10%, it is $52, 18.230, 158.713$.

Distribution



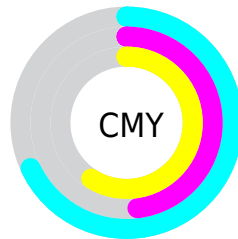
- Red (33%)
- Green (52%)
- Blue (41%)



- Red (33%)
- Yellow (46%)
- Blue (52%)



- Cyan (37%)
- Magenta (0%)
- Yellow (20%)
- Black (48%)





- Cyan (68%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 24.760, 157.662 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, 24.760, 157.662 by changing the saturation by 10% instead.

 51, 24.760,
157.662


 51, 24.760,
157.662

 100, 24.760,
157.662

 41, 24.760,
157.662

 71, 24.760,
157.662

 31, 24.760,
157.662

 81, 24.760,
157.662

 21, 24.760,
157.662

 91, 24.760,
157.662

 11, 24.760,
157.662

 1, 24.760, 157.662

 0, 24.760, 157.662

■ 51, 24.760,
157.662

■ 51, 24.760,
157.662

■ 50, 31.046,
156.474

■ 52, 18.230,
158.713

■ 50, 36.977,
155.130

■ 53, 11.555,
159.652

■ 49, 42.449,
153.606

■ 54, 4.826, 160.519

■ 49, 47.377,
151.891

■ 55, 1.883, 341.058

■ 57, 8.516, 341.857

■ 48, 51.708,
149.981

■ 58, 15.029,
342.493

■ 48, 55.496,
147.953

■ 60, 21.393,
343.072

■ 48, 56.526,
147.423

■ 61, 27.588,
343.605

■ 63, 33.605,
344.101

Harmonies

Complementary

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



51, 24.760, 157.662



41, 25.580, 344.253

Rectangle

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



51, 24.760, 157.662



51, 24.760, 207.662



51, 24.760, 337.662



51, 24.760, 27.662

Sweetspot

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



51, 24.761, 157.661



68, 9.140, 160.171



52, 29.268, 124.949



36, 6.191, 160.074



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, 24.761, 157.661



64, 36.675, 156.622



52, 17.647, 191.393



27, 3.807, 160.352



47, 55.970, 147.454



1, 0.912, 161.013

Inverse Universe

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



41, 25.580, 344.253



50, 38.059, 345.246



41, 21.945, 17.656



26, 3.845, 341.659



27, 52.273, 356.083



0, 0.912, 341.004

Previews

White Background



This preview shows how the CIE LCh color 51, 24.760, 157.662 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, 24.760, 157.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

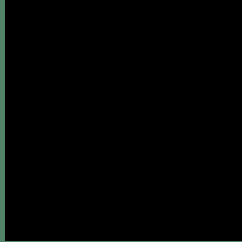
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 24.760, 157.662

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.760, 157.662.



This preview shows how white text looks on a background with the CIELCh color 51, 24.760, 157.662.

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, 24.760, 157.662

Protanopia

51, 13.101, 95.196

Deuteranopia

51, 10.020, 51.441



Tritanopia
51, 14.089, 222.845

Trichromacy



Original Color
51, 24.760, 157.662

Protanomaly
51, 14.944, 129.699

Deuteranomaly
50, 8.970, 122.416

Tritanomaly
51, 15.618, 189.151

Monochromacy



Original Color
51, 24.760, 157.662

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.681, 161.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.760, 157.662 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(83, 132, 105)` looks like.

```
.text, #text, p{  
    color:rgb(83, 132, 105)  
}
```

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(83, 132, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.760, 157.662 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(83, 132, 105) }
```

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

```
.border{ border-color:rgb(83, 132, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 132, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 105);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.760, 157.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 105) }
```

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

```
.background{ background-color: rgb(83, 132,  
105) }
```

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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