

Converting Colors

CIELCh(51, 13.505, 93.481)

Have a look what the booklet for
CIELCh(51, 13.505, 93.481) contains.

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Color

CIELCh(51, 13.209, 93.362)

Conversions

Conversions Part 1

Format	Color
Hex	817963
RGB	129, 121, 99
RGB Percent	51%, 47%, 39%
CMY	0.4938, 0.5252, 0.6115
CMYK	0.00, 0.06, 0.23, 0.49
HSL	44°, 13%, 45%
HSV	44°, 23%, 51%
XYZ	18.1673, 19.2686, 14.5845
YIQ	120.8840, 11.8300, -5.1460

Conversions

Conversions Part 2

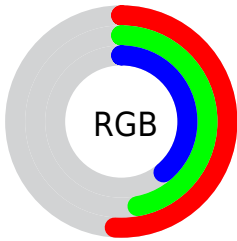
Format	Color
R_{YB}	110, 129, 99
Decimal	8485219
CIE Lab	51.00, -0.77, 13.19
CIE LCh	51, 13.209, 93.362
Yxy	19.2686, 0.3492, 0.3704
Android (android.graphics.Color)	4286675299 (0xFF817963)
YUV	120.8840, -10.7888, 7.1177
Hunter-Lab	43.8960, -2.9422, 11.0281

Details

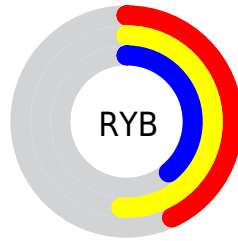
The CIELCh color **51, 13.209, 93.362** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 13.362, 279.218**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 12.997, 92.931**, and **31, 13.565, 95.344** is the 20% darker color. If you saturate the color by 10%, you get **50, 18.993, 92.141**, and if you desaturate by 10%, it is **52, 7.477, 94.557**.

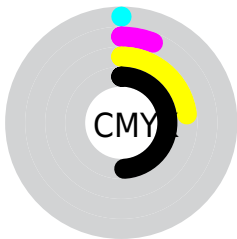
Distribution



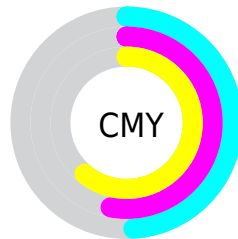
- Red (51%)
- Green (47%)
- Blue (39%)



- Red (43%)
- Yellow (51%)
- Blue (39%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 13.209, 93.362 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, 13.209, 93.362 by changing the saturation by 10% instead.

■ 51, 13.209, 93.362

■ 51, 13.209, 93.362

■ 100, 13.209,
93.362

■ 41, 13.209, 93.362

■ 71, 13.209, 93.362

■ 31, 13.209, 93.362

■ 81, 13.209, 93.362

■ 21, 13.209, 93.362

■ 91, 13.209, 93.362

■ 11, 13.209, 93.362

■ 1, 13.209, 93.362

■ 0, 13.209, 93.362

■ 51, 13.209, 93.362

■ 51, 13.209, 93.362

■ 50, 18.993, 92.141

■ 52, 7.477, 94.557

■ 49, 24.786, 90.881

■ 54, 1.814, 95.656

47, 30.515, 89.589

55, 3.771, 276.888

46, 36.047, 88.261

56, 9.275, 277.937

45, 41.156, 86.877

58, 14.702,
278.955

44, 45.488, 85.394

59, 20.052,
279.928

43, 48.587, 83.731

42, 50.463, 82.617

60, 25.332,
280.855

62, 30.543,
281.734

63, 35.691,
282.567

Harmonies

Complementary

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



51, 13.209, 93.362



45, 13.362, 279.218

Rectangle

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



51, 13.209, 93.362



51, 13.209, 143.362



51, 13.209, 273.362



51, 13.209, 323.362

Sweetspot

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



51, 13.210, 93.369



68, 4.885, 95.250



45, 13.450, 0.638



35, 3.161, 95.201



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 13.210, 93.369



65, 19.827, 92.709



53, 17.449, 117.831



26, 3.140, 95.035



42, 50.021, 82.646



0, 0.000, 0.000

Inverse Universe

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



45, 13.362, 279.218



56, 20.118, 280.107



44, 18.287, 300.917



25, 3.159, 277.218



19, 62.558, 298.881



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 51, 13.209, 93.362 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, 13.209, 93.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

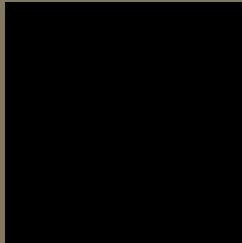
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 13.209, 93.362

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.209, 93.362.



This preview shows how white text looks on a background with the CIELCh color 51, 13.209, 93.362.

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, 13.209, 93.362

Protanopia

51, 13.209, 93.362

Deuteranopia

51, 14.497, 62.680



Tritanopia
51, 8.311, 341.317

Trichromacy



Original Color
51, 13.209, 93.362

Protanomaly
51, 13.209, 93.362

Deuteranomaly
51, 13.390, 70.751

Tritanomaly
51, 5.896, 31.305

Monochromacy



Original Color
51, 13.209, 93.362

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.799, 94.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.209, 93.362 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(129, 121, 99)` looks like.

```
.text, #text, p{  
    color:rgb(129, 121, 99)  
}
```

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(129, 121, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 121, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.209, 93.362 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(129, 121, 99) }
```

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

```
.border{ border-color:rgb(129, 121, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 121, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 121, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 121, 99);  
box-shadow:4px 4px 4px 4px rgb(129, 121,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.209, 93.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 121, 99) }
```

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

```
.background{ background-color: rgb(129,  
121, 99) }
```

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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