

Converting Colors

CIELCh(50, 23.467, 107.843)

Have a look what the booklet for
CIELCh(50, 23.467, 107.843)
contains.

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Color

CIELCh(50, 23.014, 107.129)

Conversions

Conversions Part 1

Format	Color
Hex	797951
RGB	121, 121, 81
RGB Percent	47%, 47%, 32%
CMY	0.5245, 0.5245, 0.6814
CMYK	0.00, 0.00, 0.33, 0.52
HSL	60°, 20%, 40%
HSV	60°, 33%, 48%
XYZ	16.2846, 18.4187, 10.5292
YIQ	116.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

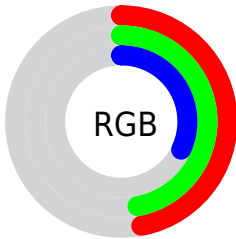
Format	Color
RYB	81, 121, 81
Decimal	7960913
CIELab	50.00, -6.78, 21.99
CIElCh	50, 23.014, 107.129
Yxy	18.4187, 0.3600, 0.4072
Android (android.graphics.Color)	4286150993 (0xFF797951)
YUV	116.4400, -17.4719, 3.9991
Hunter-Lab	42.9170, -7.3738, 15.4957

Details

The CIELCh color **50, 23.014, 107.129** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 24.865, 294.112**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 22.754, 106.834**, and **30, 23.481, 106.972** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.711, 106.237**, and if you desaturate by 10%, it is **50, 16.135, 108.052**.

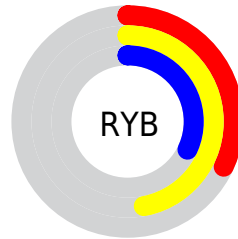
Distribution



Red (47%)

Green (47%)

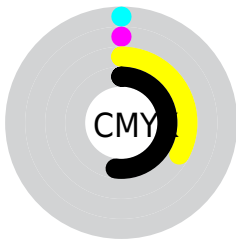
Blue (32%)



Red (32%)

Yellow (47%)

Blue (32%)

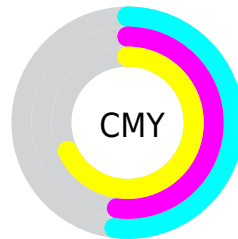


Cyan (0%)

Magenta (0%)

Yellow (33%)

Black (52%)



Cyan (52%)


Magenta (52%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 23.014, 107.129 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 50, 23.014, 107.129 by changing the saturation by 10% instead.


 50, 23.014,
107.129


 50, 23.014,
107.129


 100, 23.014,
107.129


 40, 23.014,
107.129


 70, 23.014,
107.129

 30, 23.014,
107.129


 80, 23.014,
107.129


 20, 23.014,
107.129

 90, 23.014,
107.129

 10, 23.014,
107.129

 0, 23.014, 107.129

 50, 23.014,
107.129

 50, 23.014,
107.129

■ 50, 29.711,
106.237

■ 50, 16.135,
108.052

■ 50, 36.104,
105.387

■ 51, 9.150, 108.978

■ 51, 2.111, 109.883

■ 50, 42.017,
104.611

■ 51, 4.949, 290.817

■ 49, 47.205,
103.942

■ 52, 12.005,
291.690

■ 49, 51.365,
103.415

■ 52, 19.042,
292.537

■ 49, 54.227,
103.058

■ 52, 26.048,
293.349

■ 49, 55.915,
102.850

■ 53, 33.013,
294.123

■ 54, 39.931,
294.857

Harmonies

Complementary

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



50, 23.014, 107.129



36, 24.865, 294.112

Rectangle

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



50, 23.014, 107.129



50, 23.014, 157.129



50, 23.014, 287.129



50, 23.014, 337.129

Sweetspot

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



50, 23.015, 107.132



65, 8.749, 109.231



39, 18.057, 20.839



33, 5.935, 109.128



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 23.015, 107.132



64, 34.416, 106.414



48, 24.623, 127.000



26, 3.997, 109.338



51, 57.132, 102.850



96, 96.173, 102.850

Inverse Universe

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



36, 24.865, 294.112



43, 38.068, 295.402



38, 25.783, 310.061



23, 4.080, 291.070



12, 78.889, 306.287



32, 132.799, 306.287

Previews

White Background



This preview shows how the CIE LCh color 50, 23.014, 107.129 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 23.014, 107.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

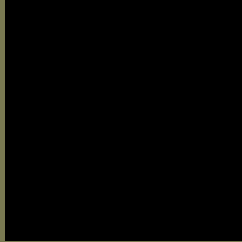
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 23.014, 107.129

Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.014, 107.129.



This preview shows how white text looks on a background with the CIELCh color 50, 23.014, 107.129.

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

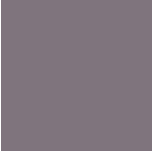
50, 23.014, 107.129

Protanopia

50, 22.983, 95.841

Deuteranopia

50, 22.320, 72.949



Tritanopia
50, 6.888, 330.377

Trichromacy



Original Color
50, 23.014, 107.129

Protanomaly
50, 23.207, 100.435

Deuteranomaly
50, 21.783, 86.775

Tritanomaly
50, 5.998, 80.281

Monochromacy



Original Color
50, 23.014, 107.129

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.736, 109.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 23.014, 107.129 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(121, 121, 81)` looks like.

```
.text, #text, p{  
    color:rgb(121, 121, 81)  
}
```

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(121, 121, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 121, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 23.014, 107.129 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(121, 121, 81) }
```

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

```
.border{ border-color:rgb(121, 121, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 121, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 121, 81); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 121, 81); box-shadow:4px 4px 4px 4px rgb(121, 121, 81) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 23.014, 107.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 121, 81) }
```

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

```
.background{ background-color: rgb(121,  
121, 81) }
```

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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