

Converting Colors

CIELCh(50, 22.870, 105.135)

Have a look what the booklet for
CIELCh(50, 22.870, 105.135)
contains.

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Color

CIELCh(50, 23.030, 104.907)

Conversions

Conversions Part 1

Format	Color
Hex	7B7951
RGB	123, 121, 81
RGB Percent	48%, 47%, 32%
CMY	0.5184, 0.5262, 0.6830
CMYK	0.00, 0.02, 0.34, 0.52
HSL	57°, 21%, 40%
HSV	57°, 34%, 48%
XYZ	16.4353, 18.4187, 10.4394
YIQ	117.0380, 14.0320, -12.0160

Conversions

Conversions Part 2

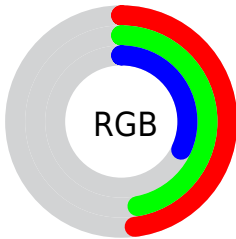
Format	Color
RYB	83, 123, 81
Decimal	8091985
CIELab	50.00, -5.92, 22.25
CIELCh	50, 23.030, 104.907
Yxy	18.4187, 0.3629, 0.4067
Android (android.graphics.Color)	4286282065 (0xFF7B7951)
YUV	117.0380, -17.7667, 5.2287
Hunter-Lab	42.9170, -6.7472, 15.6197

Details

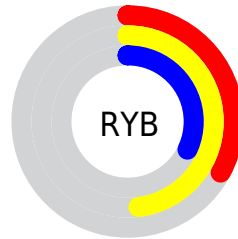
The CIELCh color **50, 23.030, 104.907** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 24.775, 292.465**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 22.781, 104.772**, and **30, 23.476, 105.745** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.527, 103.954**, and if you desaturate by 10%, it is **50, 16.371, 105.882**.

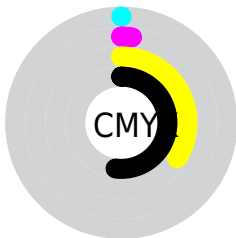
Distribution



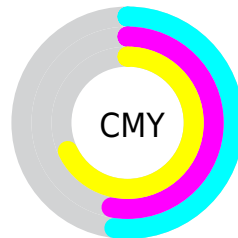
- Red (48%)
- Green (47%)
- Blue (32%)



- Red (33%)
- Yellow (48%)
- Blue (32%)



- Cyan (0%)
- Magenta (2%)
- Yellow (34%)
- Black (52%)





- Cyan (52%)
- Magenta (53%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 23.030, 104.907 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, 23.030, 104.907 by changing the saturation by 10% instead.


 50, 23.030,
104.907


 50, 23.030,
104.907


 100, 23.030,
104.907


 40, 23.030,
104.907


 70, 23.030,
104.907

 30, 23.030,
104.907


 80, 23.030,
104.907


 20, 23.030,
104.907

 90, 23.030,
104.907

 10, 23.030,
104.907

 0, 23.030, 104.907

 50, 23.030,
104.907

 50, 23.030,
104.907

■ 50, 29.527,
103.954

■ 50, 16.371,
105.882

■ 49, 35.740,
103.032

■ 51, 9.624, 106.852

■ 49, 41.489,
102.166

■ 51, 2.838, 107.798

■ 49, 46.519,
101.383

■ 52, 3.956, 288.773

■ 52, 10.737,
289.675

■ 48, 50.505,
100.712

■ 53, 17.492,
290.552

■ 48, 53.185,
100.166

■ 54, 24.211,
291.392

■ 48, 54.567, 99.870

■ 54, 30.887,
292.193

■ 55, 37.516,
292.954

Harmonies

Complementary

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



50, 23.030, 104.907



37, 24.775, 292.465

Rectangle

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



50, 23.030, 104.907



50, 23.030, 154.907



50, 23.030, 284.907



50, 23.030, 334.907

Sweetspot

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



50, 23.031, 104.911



65, 8.453, 107.230



39, 18.894, 18.461



34, 5.812, 107.119



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 23.031, 104.911



64, 34.204, 104.160



49, 25.550, 125.724



26, 3.811, 107.343



49, 55.245, 99.865



93, 92.833, 99.697

Inverse Universe

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



37, 24.775, 292.465



44, 37.596, 293.788



38, 26.902, 309.029



23, 3.883, 289.140



13, 76.346, 305.381



33, 130.931, 305.898

Previews

White Background



This preview shows how the CIELCh color 50, 23.030, 104.907 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 50, 23.030, 104.907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

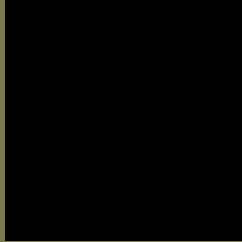
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 23.030, 104.907

Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.030, 104.907.



This preview shows how white text looks on a background with the CIELCh color 50, 23.030, 104.907.

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, 23.030, 104.907

Protanopia

50, 22.983, 95.841

Deuteranopia

50, 22.813, 73.642



Tritanopia
50, 7.439, 335.237

Trichromacy



Original Color
50, 23.030, 104.907

Protanomaly
50, 23.268, 99.330

Deuteranomaly
50, 21.646, 84.076

Tritanomaly
50, 6.465, 73.706

Monochromacy



Original Color
50, 23.030, 104.907

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.174, 106.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 23.030, 104.907 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(123, 121, 81)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 121, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 121, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 23.030, 104.907 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(123, 121, 81) }
```

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

```
.border{ border-color:rgb(123, 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(123, 121, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 121, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 121, 81);  
box-shadow:4px 4px 4px 4px rgb(123, 121,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 23.030, 104.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 121, 81) }
```

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

```
.background{ background-color: rgb(123,  
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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