

Converting Colors

CIELCh(51, 23.741, 129.413)

Have a look what the booklet for
CIELCh(51, 23.741, 129.413)
contains.

CIELCh(51, 23.601, 129.589)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 23.601, 129.589)

Conversions

Conversions Part 1

Format	Color
Hex	6B805A
RGB	107, 128, 90
RGB Percent	42%, 50%, 35%
CMY	0.5808, 0.4984, 0.6474
CMYK	0.16, 0.00, 0.30, 0.50
HSL	93°, 17%, 43%
HSV	93°, 30%, 50%
XYZ	15.5993, 19.2686, 12.5488
YIQ	117.3890, -0.3180, -16.2700

Conversions

Conversions Part 2

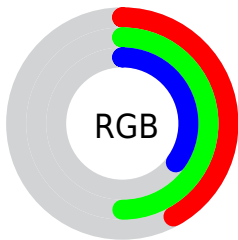
Format	Color
R_{YB}	90, 128, 111
Decimal	7045210
CIE _{Lab}	51.00, -15.04, 18.19
CIE _{LCh}	51, 23.601, 129.589
Yxy	19.2686, 0.3290, 0.4064
Android (android.graphics.Color)	4285235290 (0xFF6B805A)
YUV	117.3890, -13.5028, -9.1112
Hunter-Lab	43.8960, -13.3848, 13.7776

Details

The CIELCh color $51, 23.601, 129.589$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $42, 24.438, 312.192$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 23.825, 129.331$, and $31, 23.644, 129.664$ is the 20% darker color. If you saturate the color by 10%, you get $50, 31.408, 129.123$, and if you desaturate by 10%, it is $52, 15.675, 130.055$.

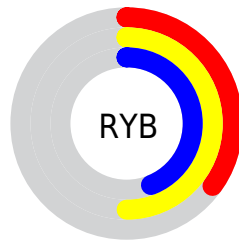
Distribution



Red (42%)

Green (50%)

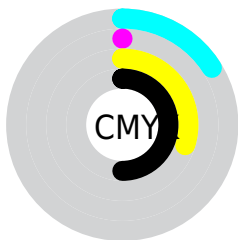
Blue (35%)



Red (35%)

Yellow (50%)

Blue (44%)

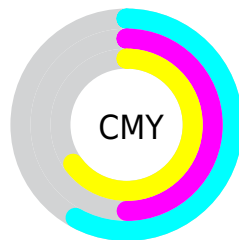


Cyan (16%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (58%)


Magenta (50%)


Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 23.601, 129.589 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, 23.601, 129.589 by changing the saturation by 10% instead.


 51, 23.601,
129.589


 51, 23.601,
129.589


 100, 23.601,
129.589


 41, 23.601,
129.589


 71, 23.601,
129.589

 31, 23.601,
129.589

 81, 23.601,
129.589

 21, 23.601,
129.589

 91, 23.601,
129.589

 11, 23.601,
129.589

 1, 23.601, 129.589

 0, 23.601, 129.589

■ 51, 23.601,
129.589

■ 51, 23.601,
129.589

■ 50, 31.408,
129.123

■ 52, 15.675,
130.055

■ 50, 38.976,
128.682

■ 53, 7.708, 130.502

■ 49, 46.143,
128.317

■ 54, 0.239, 310.491

■ 49, 52.679,
128.101

■ 55, 8.124, 311.262

■ 48, 58.292,
128.138

■ 56, 15.918,
311.607

■ 48, 62.668,
128.543

■ 57, 23.598,
311.913

■ 47, 66.054,
129.167

■ 58, 31.151,
312.185

■ 47, 66.154,

■ 59, 38.566,
312.425

129.181

■ 60, 45.839,
312.638

Harmonies

Complementary

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



51, 23.601, 129.589



42, 24.438, 312.192

Rectangle

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



51, 23.601, 129.589



51, 23.601, 179.589



51, 23.601, 309.589



51, 23.601, 359.589

Sweetspot

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



51, 23.602, 129.590



67, 8.832, 130.524



48, 14.499, 76.943



35, 6.188, 130.469



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, 23.602, 129.590



64, 35.256, 129.256



50, 26.150, 143.810



26, 4.463, 130.529



47, 66.000, 129.176



0, 0.000, 0.000

Inverse Universe

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



42, 24.438, 312.192



50, 36.838, 312.532



43, 26.159, 327.403



25, 4.515, 311.248



19, 73.586, 313.514



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 51, 23.601, 129.589 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, 23.601, 129.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

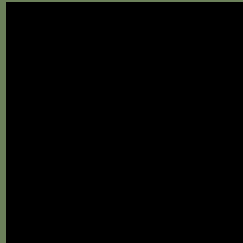
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 23.601, 129.589

Background



This preview shows how black text looks on a background with the CIELCh color 51, 23.601, 129.589.



This preview shows how white text looks on a background with the CIELCh color 51, 23.601, 129.589.

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

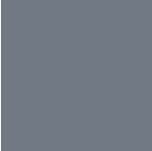
51, 23.601, 129.589

Protanopia

51, 20.040, 96.080

Deuteranopia

51, 18.298, 69.085



Tritanopia
51, 6.690, 260.155

Trichromacy



Original Color
51, 23.601, 129.589

Protanomaly
51, 20.700, 109.915

Deuteranomaly
51, 17.265, 94.690

Tritanomaly
51, 6.641, 160.862

Monochromacy



Original Color
51, 23.601, 129.589

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.825, 131.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 23.601, 129.589 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(107, 128, 90)` looks like.

```
.text, #text, p{  
    color:rgb(107, 128, 90)  
}
```

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(107, 128, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 128, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 23.601, 129.589 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(107, 128, 90) }
```

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

```
.border{ border-color:rgb(107, 128, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 128, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 128, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 128, 90);  
box-shadow:4px 4px 4px 4px rgb(107, 128,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 23.601, 129.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 128, 90) }
```

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

```
.background{ background-color: rgb(107,  
128, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor