

Converting Colors

CIELCh(51, 22.307, 127.804)

Have a look what the booklet for
CIELCh(51, 22.307, 127.804)
contains.

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Color

CIELCh(51, 22.094, 127.810)

Conversions

Conversions Part 1

Format	Color
Hex	6D7F5B
RGB	109, 127, 91
RGB Percent	43%, 50%, 36%
CMY	0.5716, 0.5010, 0.6422
CMYK	0.14, 0.00, 0.28, 0.50
HSL	90°, 16%, 43%
HSV	90°, 28%, 50%
XYZ	15.8564, 19.2686, 12.8343
YIQ	117.5140, 0.8280, -15.0120

Conversions

Conversions Part 2

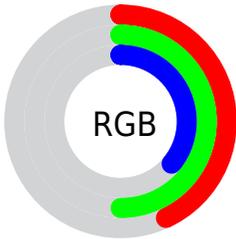
Format	Color
R_{YB}	91, 127, 109
Decimal	7176027
CIE _{Lab}	51.00, -13.54, 17.46
CIE _{LCh}	51, 22.094, 127.810
Yxy	19.2686, 0.3306, 0.4018
Android (android.graphics.Color)	4285366107 (0xFF6D7F5B)
YUV	117.5140, -13.0714, -7.4668
Hunter-Lab	43.8960, -12.3394, 13.3921

Details

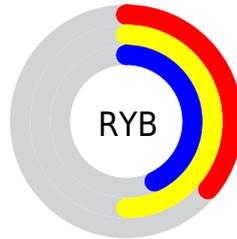
The CIELCh color $51, 22.094, 127.810$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $42, 22.944, 310.377$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 22.411, 127.634$, and $31, 22.029, 127.815$ is the 20% darker color. If you saturate the color by 10%, you get $50, 29.772, 127.346$, and if you desaturate by 10%, it is $52, 14.306, 128.278$.

Distribution



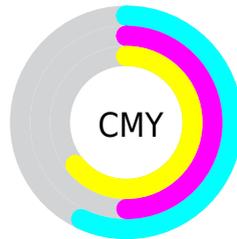
- Red (43%)
- Green (50%)
- Blue (36%)



- Red (36%)
- Yellow (50%)
- Blue (43%)



- Cyan (14%)
- Magenta (0%)
- Yellow (28%)
- Black (50%)



- Cyan (57%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 22.094, 127.810 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, 22.094, 127.810 by changing the saturation by 10% instead.

 51, 22.094,
127.810

 51, 22.094,
127.810

 100, 22.094,
127.810

 41, 22.094,
127.810

 71, 22.094,
127.810

 31, 22.094,
127.810

 81, 22.094,
127.810

 21, 22.094,
127.810

 91, 22.094,
127.810

 11, 22.094,
127.810

 1, 22.094, 127.810

 0, 22.094, 127.810

■ 51, 22.094,
127.810

■ 51, 22.094,
127.810

■ 50, 29.772,
127.346

■ 52, 14.306,
128.278

■ 50, 37.230,
126.908

■ 53, 6.480, 128.732

■ 49, 44.317,
126.547

■ 53, 1.330, 309.074

■ 54, 9.086, 309.514

■ 49, 50.819,
126.331

■ 55, 16.760,
309.871

■ 48, 56.455,
126.358

■ 56, 24.332,
310.192

■ 48, 60.913,
126.744

■ 57, 31.789,
310.480

■ 47, 64.271,
127.429

■ 59, 39.122,
310.738

■ 47, 64.838,

127.524

■ 60, 46.325,
310.968

Harmonies

Complementary

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



51, 22.094, 127.810



42, 22.944, 310.377

Rectangle

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



51, 22.094, 127.810



51, 22.094, 177.810



51, 22.094, 307.810



51, 22.094, 357.810

Sweetspot

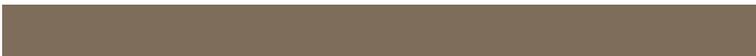
The Sweet Spot groups the original color and five complimentary colors.



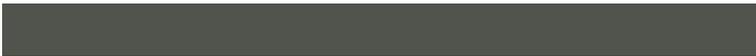
51, 22.095, 127.812



67, 7.751, 128.737



47, 13.330, 72.044



35, 5.553, 128.677



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



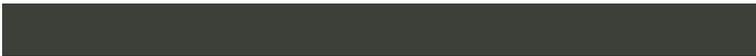
51, 22.095, 127.812



65, 32.868, 127.507



50, 25.674, 142.588



26, 4.407, 128.696



47, 64.931, 127.527



0, 0.000, 0.000

Inverse Universe

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



42, 22.944, 310.377



51, 34.458, 310.713



44, 25.677, 325.914



25, 4.464, 309.446



18, 74.397, 312.252



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 22.094, 127.810 looks on a white background.

Color Contrast Check

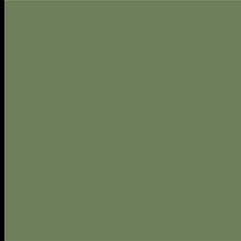
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.094, 127.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

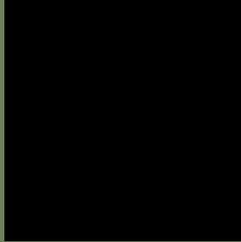
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

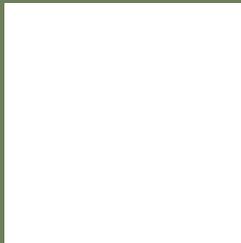
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 22.094, 127.810

Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.094, 127.810.



This preview shows how white text looks on a background with the CIELCh color 51, 22.094, 127.810.

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, 22.094, 127.810

Protanopia
51, 18.920, 95.597

Deuteranopia
51, 17.373, 66.950



Tritanopia
51, 6.358, 266.065

Trichromacy



Original Color
51, 22.094, 127.810

Protanomaly
51, 19.014, 109.011

Deuteranomaly
51, 16.262, 92.465

Tritanomaly
51, 6.037, 156.392

Monochromacy



Original Color
51, 22.094, 127.810

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.982, 127.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 22.094, 127.810 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(109, 127, 91)` looks like.

```
.text, #text, p{  
    color:rgb(109, 127, 91)  
}
```

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(109, 127, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 127, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 22.094, 127.810 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(109, 127, 91) }
```

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

```
.border{ border-color:rgb(109, 127, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 127, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 127, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 127, 91);  
box-shadow:4px 4px 4px 4px rgb(109, 127,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 22.094, 127.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 127, 91) }
```

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

```
.background{ background-color: rgb(109,  
127, 91) }
```

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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