

Converting Colors

CIELCh(43, 18.934, 153.868)

Have a look what the booklet for
CIELCh(43, 18.934, 153.868)
contains.

CIELCh(43, 18.990, 153.321)	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(43, 18.990, 153.321)

Conversions

Conversions Part 1

Format	Color
Hex	4C6D57
RGB	76, 109, 87
RGB Percent	30%, 43%, 34%
CMY	0.7020, 0.5726, 0.6589
CMYK	0.30, 0.00, 0.20, 0.57
HSL	140°, 18%, 36%
HSV	140°, 30%, 43%
XYZ	10.1661, 13.1578, 11.0176
YIQ	96.6250, -12.6060, -13.8380

Conversions

Conversions Part 2

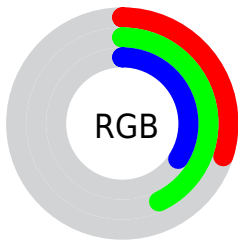
Format	Color
R_{YB}	76, 101, 109
Decimal	5008727
CIE _{Lab}	43.00, -16.97, 8.53
CIE _{LCh}	43, 18.990, 153.321
Yxy	13.1578, 0.2960, 0.3831
Android (android.graphics.Color)	4283198807 (0xFF4C6D57)
YUV	96.6250, -4.7451, -18.0881
Hunter-Lab	36.2736, -13.4524, 7.3831

Details

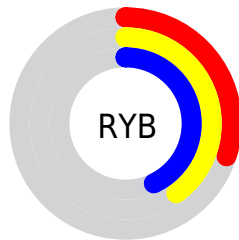
The CIELCh color $43, 18.990, 153.321$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 19.244, 337.809$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 19.069, 153.240$, and $23, 18.643, 153.842$ is the 20% darker color. If you saturate the color by 10%, you get $42, 25.122, 152.316$, and if you desaturate by 10%, it is $44, 12.735, 154.205$.

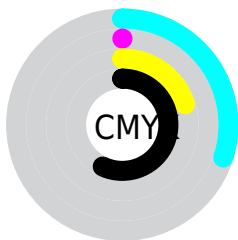
Distribution



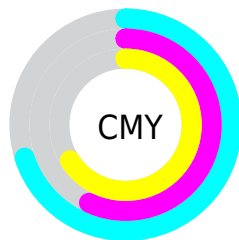
- Red (30%)
- Green (43%)
- Blue (34%)



- Red (30%)
- Yellow (40%)
- Blue (43%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)
- Black (57%)





- Cyan (70%)
- Magenta (57%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 18.990, 153.321 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 43, 18.990, 153.321 by changing the saturation by 10% instead.


 43, 18.990,
153.321


 43, 18.990,
153.321


 100, 18.990,
153.321


 33, 18.990,
153.321

 63, 18.990,
153.321


 23, 18.990,
153.321

 73, 18.990,
153.321

 13, 18.990,
153.321

 83, 18.990,
153.321

 3, 18.990, 153.321

 93, 18.990,
153.321

 0, 18.990, 153.321

 43, 18.990,

 43, 18.990,

153.321

153.321

■ 42, 25.122,
152.316

■ 44, 12.735,
154.205

■ 42, 31.031,
151.172

■ 45, 6.438, 154.996

■ 41, 36.614,
149.871

■ 46, 0.169, 156.972

■ 47, 6.019, 336.220

■ 40, 41.768,
148.399

■ 48, 12.088,
336.786

■ 40, 46.404,
146.755

■ 50, 18.010,
337.286

■ 40, 50.457,
144.955

■ 51, 23.769,
337.738

■ 40, 53.992,
143.301

■ 53, 29.355,
338.150

■ 54, 34.765,

Harmonies

Complementary

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



43, 18.990, 153.321



37, 19.244, 337.809

Rectangle

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



43, 18.990, 153.321



43, 18.990, 203.321



43, 18.990, 333.321



43, 18.990, 23.321

Sweetspot

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



43, 18.991, 153.320



58, 7.033, 155.074



44, 19.986, 120.809



29, 4.855, 154.988



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



43, 18.991, 153.320



55, 28.090, 152.660



43, 13.317, 181.939



22, 3.467, 155.097



43, 57.132, 143.113



85, 101.230, 141.823

Inverse Universe

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



37, 19.244, 337.809



45, 28.508, 338.356



36, 15.087, 7.651



21, 3.487, 336.219



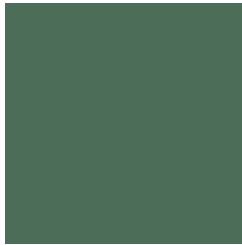
25, 51.358, 346.411



54, 87.401, 347.875

Previews

White Background



This preview shows how the CIELCh color 43, 18.990, 153.321 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 43, 18.990, 153.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

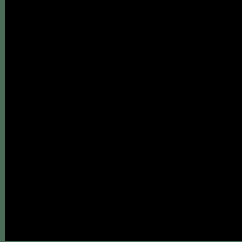
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

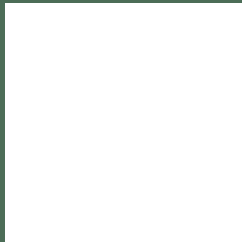
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 18.990, 153.321

Background



This preview shows how black text looks on a background with the CIELCh color 43, 18.990, 153.321.



This preview shows how white text looks on a background with the CIELCh color 43, 18.990, 153.321.

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
43, 18.990, 153.321

Protanopia
43, 11.097, 94.684

Deuteranopia
43, 9.271, 55.503



Tritanopia
43, 10.298, 230.465

Trichromacy



Original Color
43, 18.990, 153.321

Protanomaly
43, 12.454, 124.603

Deuteranomaly
43, 8.394, 111.890

Tritanomaly
43, 10.556, 191.573

Monochromacy



Original Color
43, 18.990, 153.321

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 6.994, 154.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 18.990, 153.321 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(76, 109, 87)` looks like.

```
.text, #text, p{  
    color:rgb(76, 109, 87)  
}
```

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(76, 109, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 109, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 18.990, 153.321 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(76, 109, 87) }
```

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

```
.border{ border-color:rgb(76, 109, 87) }
```

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

Here you see how a box with a 4 pixel rgb(76, 109, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 109, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 109, 87);  
box-shadow:4px 4px 4px 4px rgb(76, 109,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 18.990, 153.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 109, 87) }
```

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

```
.background{ background-color: rgb(76, 109,  
87) }
```

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