

Converting Colors

CIELCh(43, 20.186, 101.003)

Have a look what the booklet for
CIELCh(43, 20.186, 101.003)
contains.

CIELCh(43, 19.728, 100.546)	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, 19.728, 100.546)

Conversions

Conversions Part 1

Format	Color
Hex	6B6645
RGB	107, 102, 69
RGB Percent	42%, 40%, 27%
CMY	0.5789, 0.5986, 0.7280
CMYK	0.00, 0.05, 0.35, 0.58
HSL	52°, 22%, 35%
HSV	52°, 35%, 42%
XYZ	11.9809, 13.1578, 7.5951
YIQ	99.7330, 13.5730, -9.2030

Conversions

Conversions Part 2

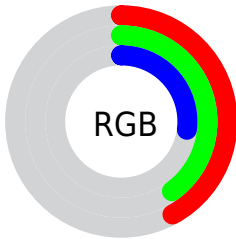
Format	Color
R_{YB}	75, 107, 69
Decimal	7038533
CIE Lab	43.00, -3.61, 19.39
CIE LCh	43, 19.728, 100.546
Yxy	13.1578, 0.3660, 0.4020
Android (android.graphics.Color)	4285228613 (0xFF6B6645)
YUV	99.7330, -15.1514, 6.3732
Hunter-Lab	36.2736, -4.5217, 12.9772

Details

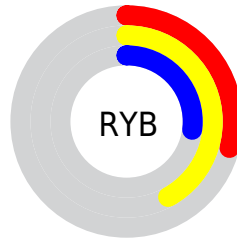
The CIELCh color $43, 19.728, 100.546$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 20.900, 288.843$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 19.565, 100.651$, and $23, 19.552, 99.530$ is the 20% darker color. If you saturate the color by 10%, you get $42, 25.180, 99.490$, and if you desaturate by 10%, it is $44, 14.183, 101.606$.

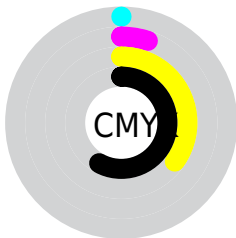
Distribution



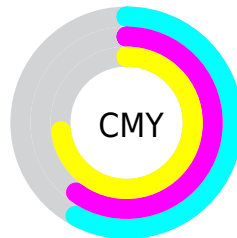
- Red (42%)
- Green (40%)
- Blue (27%)



- Red (29%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (5%)
- Yellow (35%)
- Black (58%)





- Cyan (58%)
- Magenta (60%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 19.728, 100.546 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, 19.728, 100.546 by changing the saturation by 10% instead.


 43, 19.728,
100.546


 43, 19.728,
100.546


 100, 19.728,
100.546


 33, 19.728,
100.546

 63, 19.728,
100.546


 23, 19.728,
100.546

 73, 19.728,
100.546

 13, 19.728,
100.546


 83, 19.728,
100.546

 3, 19.728, 100.546

 93, 19.728,
100.546

 0, 19.728, 100.546

 43, 19.728,

 43, 19.728,

100.546

100.546

■ 42, 25.180, 99.490

■ 44, 14.183,
101.606

■ 42, 30.444, 98.435

■ 44, 8.599, 102.646

■ 41, 35.375, 97.399

■ 45, 3.013, 103.651

■ 41, 39.752, 96.392

■ 46, 2.556, 284.700

■ 40, 43.279, 95.416

■ 46, 8.095, 285.639

■ 40, 45.830, 94.471

■ 47, 13.597,
286.558

■ 40, 47.040, 94.054

■ 48, 19.058,
287.439

■ 49, 24.474,
288.280

■ 50, 29.845,
289.080

Harmonies

Complementary

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



43, 19.728, 100.546



32, 20.900, 288.843

Rectangle

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



43, 19.728, 100.546



43, 19.728, 150.546



43, 19.728, 280.546



43, 19.728, 330.546

Sweetspot

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



43, 19.729, 100.550



57, 7.635, 103.066



34, 17.524, 12.176



30, 5.171, 102.966



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, 19.729, 100.550



55, 29.033, 99.728



43, 23.253, 122.519



22, 3.124, 103.302



43, 50.055, 93.958



85, 85.752, 93.369

Inverse Universe

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



32, 20.900, 288.843



39, 31.283, 290.219



32, 24.732, 306.322



20, 3.170, 285.182



14, 68.273, 303.475



33, 122.322, 304.643

Previews

White Background



This preview shows how the CIE LCh color 43, 19.728, 100.546 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, 19.728, 100.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

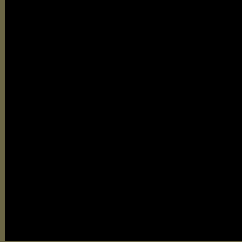
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 19.728, 100.546

Background



This preview shows how black text looks on a background with the CIELCh color 43, 19.728, 100.546.



This preview shows how white text looks on a background with the CIELCh color 43, 19.728, 100.546.

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, 19.728, 100.546

Protanopia

43, 19.951, 96.571

Deuteranopia

43, 19.894, 73.351



Tritanopia
43, 7.192, 344.615

Trichromacy



Original Color
43, 19.728, 100.546

Protanomaly
43, 19.865, 97.888

Deuteranomaly
43, 19.145, 83.147

Tritanomaly
43, 6.466, 67.387

Monochromacy



Original Color
43, 19.728, 100.546

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.241, 102.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 19.728, 100.546 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, 102, 69)` looks like.

```
.text, #text, p{  
    color:rgb(107, 102, 69)  
}
```

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, 102, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 102, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 19.728, 100.546 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, 102, 69) }
```

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

```
.border{ border-color:rgb(107, 102, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 102, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 102, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 102, 69);  
box-shadow:4px 4px 4px 4px rgb(107, 102,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 19.728, 100.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 102, 69) }
```

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

```
.background{ background-color: rgb(107,  
102, 69) }
```

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