

Converting Colors

CIELCh(43, 20.408, 101.630)

Have a look what the booklet for
CIELCh(43, 20.408, 101.630)
contains.

CIELCh(43, 20.801, 102.013)	3
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Color

CIELCh(43, 20.801, 102.013)

Conversions

Conversions Part 1

Format	Color
Hex	6B6744
RGB	107, 103, 68
RGB Percent	42%, 40%, 27%
CMY	0.5817, 0.5973, 0.7345
CMYK	0.00, 0.04, 0.37, 0.58
HSL	54°, 22%, 34%
HSV	54°, 37%, 42%
XYZ	11.8782, 13.1578, 7.3350
YIQ	100.2060, 13.6190, -10.0370

Conversions

Conversions Part 2

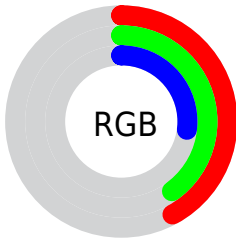
Format	Color
R_{YB}	72, 107, 68
Decimal	7038788
CIE Lab	43.00, -4.33, 20.35
CIE LCh	43, 20.801, 102.013
Yxy	13.1578, 0.3669, 0.4065
Android (android.graphics.Color)	4285228868 (0xFF6B6744)
YUV	100.2060, -15.8776, 5.9583
Hunter-Lab	36.2736, -5.0273, 13.4023

Details

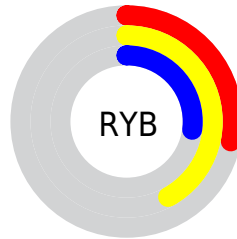
The CIELCh color **43, 20.801, 102.013** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **32, 22.235, 290.402**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 20.584, 102.071**, and **23, 20.649, 101.133** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.325, 101.000**, and if you desaturate by 10%, it is **44, 15.157, 103.037**.

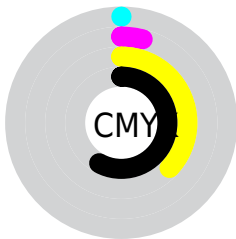
Distribution



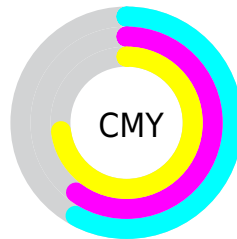
- Red (42%)
- Green (40%)
- Blue (27%)



- Red (28%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (4%)
- Yellow (37%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 20.801, 102.013 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, 20.801, 102.013 by changing the saturation by 10% instead.

■ 43, 20.801,
102.013

■ 43, 20.801,
102.013

■ 100, 20.801,
102.013

■ 33, 20.801,
102.013

■ 63, 20.801,
102.013

■ 23, 20.801,
102.013

■ 73, 20.801,
102.013

■ 13, 20.801,
102.013

■ 83, 20.801,
102.013

■ 3, 20.801, 102.013

■ 93, 20.801,
102.013

■ 0, 20.801, 102.013

■ 43, 20.801,

■ 43, 20.801,

102.013

■ 42, 26.325,
101.000

■ 42, 31.624,
100.001

■ 42, 36.542, 99.035

■ 41, 40.848, 98.118

■ 41, 44.248, 97.262

■ 40, 46.743, 96.464

■ 40, 47.652, 96.195

102.013

■ 44, 15.157,
103.037

■ 44, 9.453, 104.048

■ 45, 3.731, 105.034

■ 45, 1.985, 286.059

■ 46, 7.680, 286.976

■ 47, 13.345,
287.879

■ 47, 18.972,
288.747

■ 48, 24.559,
289.576

■ 49, 30.103,
290.364

Harmonies

Complementary

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



43, 20.801, 102.013



32, 22.235, 290.402

Rectangle

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



43, 20.801, 102.013



43, 20.801, 152.013



43, 20.801, 282.013



43, 20.801, 332.013

Sweetspot

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



43, 20.802, 102.017



57, 7.752, 104.570



33, 18.019, 13.613



29, 5.170, 104.479



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



43, 20.802, 102.017



54, 30.727, 101.137



43, 23.928, 123.114



22, 3.221, 104.799



44, 50.944, 96.118



87, 87.338, 95.682

Inverse Universe

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



32, 22.235, 290.402



37, 33.551, 291.939



32, 25.460, 306.944



20, 3.273, 286.632



13, 69.965, 304.187



32, 124.685, 305.185

Previews

White Background



This preview shows how the CIELCh color 43, 20.801, 102.013 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 CIE LCh color 43, 20.801, 102.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

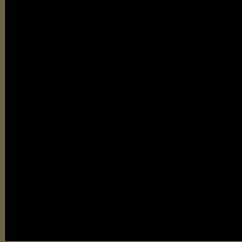
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 43, 20.801, 102.013

Background



This preview shows how black text looks on a background with the CIELCh color 43, 20.801, 102.013.



This preview shows how white text looks on a background with the CIELCh color 43, 20.801, 102.013.

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, 20.801, 102.013

Protanopia

43, 21.096, 96.933

Deuteranopia

43, 20.404, 74.138



Tritanopia
43, 7.234, 338.718

Trichromacy



Original Color
43, 20.801, 102.013

Protanomaly
43, 21.014, 98.186

Deuteranomaly
43, 19.692, 83.714

Tritanomaly
43, 6.178, 70.390

Monochromacy



Original Color
43, 20.801, 102.013

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.803, 105.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 20.801, 102.013 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, 103, 68)` looks like.

```
.text, #text, p{  
    color:rgb(107, 103, 68)  
}
```

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, 103, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 103, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 20.801, 102.013 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, 103, 68) }
```

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

```
.border{ border-color:rgb(107, 103, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 103, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 103, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 103, 68);  
box-shadow:4px 4px 4px 4px rgb(107, 103,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 20.801, 102.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 103, 68) }
```

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

```
.background{ background-color: rgb(107,  
103, 68) }
```

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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