

Converting Colors

CIELCh(43, 50.236, 307.234)

Have a look what the booklet for
CIELCh(43, 50.236, 307.234)
contains.

CIELCh(43, 50.102, 307.391)	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, 50.102, 307.391)

Conversions

Conversions Part 1

Format	Color
Hex	7456A8
RGB	116, 86, 168
RGB Percent	45%, 34%, 66%
CMY	0.5457, 0.6633, 0.3418
CMYK	0.31, 0.49, 0.00, 0.34
HSL	262°, 32%, 50%
HSV	262°, 49%, 66%
XYZ	17.5530, 13.1578, 38.5853
YIQ	104.3180, -8.4420, 31.8620

Conversions

Conversions Part 2

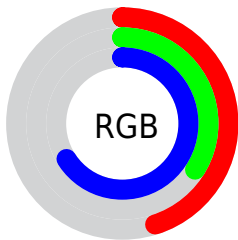
Format	Color
R _Y B	116, 86, 168
Decimal	7624360
CIE Lab	43.00, 30.42, -39.81
CIE LCh	43, 50.102, 307.391
Yxy	13.1578, 0.2533, 0.1899
Android (android.graphics.Color)	4285814440 (0xFF7456A8)
YUV	104.3180, 31.3952, 10.2451
Hunter-Lab	36.2736, 22.8980, -37.6769

Details

The CIELCh color $43, 50.102, 307.391$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $65, 45.572, 121.767$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 50.537, 307.393$, and $23, 50.191, 307.525$ is the 20% darker color. If you saturate the color by 10%, you get $38, 60.798, 308.138$, and if you desaturate by 10%, it is $48, 39.375, 306.646$.

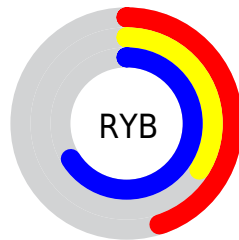
Distribution



Red (45%)

Green (34%)

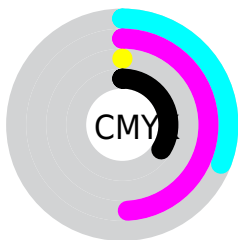
Blue (66%)



Red (45%)

Yellow (34%)

Blue (66%)

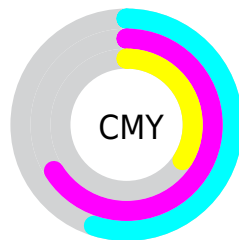


Cyan (31%)

Magenta (49%)

Yellow (0%)

Black (34%)



Cyan (55%)


Magenta (66%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 50.102, 307.391 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, 50.102, 307.391 by changing the saturation by 10% instead.


 43, 50.102,
307.391


 43, 50.102,
307.391


 100, 50.102,
307.391


 33, 50.102,
307.391

 63, 50.102,
307.391


 23, 50.102,
307.391

 73, 50.102,
307.391

 13, 50.102,
307.391

 83, 50.102,
307.391

 3, 50.102, 307.391

 93, 50.102,
307.391

 0, 50.102, 307.391

 43, 50.102,

 43, 50.102,

307.391

307.391

■ 38, 60.798,
308.138

■ 48, 39.375,
306.646

■ 33, 71.102,
308.818

■ 53, 28.820,
305.939

■ 29, 80.413,
309.326

■ 59, 18.533,
305.290

■ 26, 87.893,
309.520

■ 64, 8.559, 304.703

■ 23, 93.130,
309.364

■ 69, 1.091, 124.251

■ 23, 93.722,
309.358

■ 75, 10.420,
123.745

■ 80, 19.439,
123.345

■ 85, 28.163,
122.999

■ 90, 36.609,
122.700

Harmonies

Complementary

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



43, 50.102, 307.391



65, 45.572, 121.767

Rectangle

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



43, 50.102, 307.391



43, 50.102, 357.391



43, 50.102, 127.391



43, 50.102, 177.391

Sweetspot

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



43, 50.101, 307.391



78, 18.233, 305.074



55, 22.785, 245.000



40, 12.461, 305.195



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



43, 50.101, 307.391



49, 75.809, 308.227



48, 52.860, 322.403



33, 5.493, 304.728



20, 85.296, 309.465



1, 9.807, 302.356

Inverse Universe

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



48, 42.601, 341.208



57, 62.231, 342.504



63, 52.230, 137.274



33, 4.972, 337.701



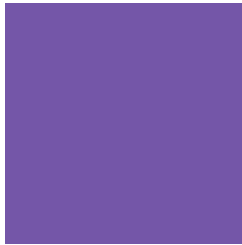
32, 59.387, 349.500



2, 8.510, 340.732

Previews

White Background



This preview shows how the CIE LCh color 43, 50.102, 307.391 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, 50.102, 307.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

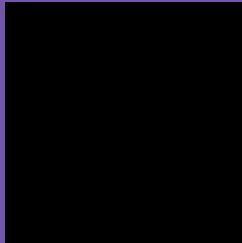
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 50.102, 307.391

Background



This preview shows how black text looks on a background with the CIELCh color 43, 50.102, 307.391.



This preview shows how white text looks on a background with the CIELCh color 43, 50.102, 307.391.

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, 50.102, 307.391

Protanopia

43, 48.819, 286.422

Deuteranopia

43, 38.023, 279.466



Tritanopia
43, 5.108, 309.363

Trichromacy



Original Color
43, 50.102, 307.391

Protanomaly
43, 49.222, 293.297

Deuteranomaly
43, 41.529, 290.646

Tritanomaly
43, 21.761, 305.963

Monochromacy



Original Color
43, 50.102, 307.391

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 18.624, 305.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 50.102, 307.391 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(116, 86, 168)` looks like.

```
.text, #text, p{  
    color:rgb(116, 86, 168)  
}
```

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(116, 86, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 86, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 50.102, 307.391 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(116, 86, 168) }
```

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

```
.border{ border-color:rgb(116, 86, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 86, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 86, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 86, 168); box-shadow:4px 4px 4px 4px rgb(116, 86, 168) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 50.102, 307.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 86, 168) }
```

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

```
.background{ background-color: rgb(116, 86,  
168) }
```

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