

Converting Colors

CIELCh(43, 6.112, 110.654)

Have a look what the booklet for
CIELCh(43, 6.112, 110.654) contains.

CIELCh(43, 5.989, 109.290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(43, 5.989, 109.290)

Conversions

Conversions Part 1

Format	Color
Hex	66665C
RGB	102, 102, 92
RGB Percent	40%, 40%, 36%
CMY	0.5992, 0.5992, 0.6384
CMYK	0.00, 0.00, 0.10, 0.60
HSL	60°, 5%, 38%
HSV	60°, 10%, 40%
XYZ	12.2164, 13.1578, 12.0685
YIQ	100.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

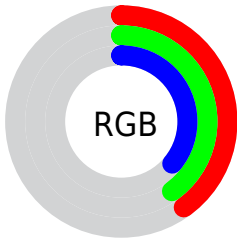
Format	Color
R_{YB}	92, 102, 92
Decimal	6710876
CIE Lab	43.00, -1.98, 5.65
CIE LCh	43, 5.989, 109.290
Yxy	13.1578, 0.3263, 0.3514
Android (android.graphics.Color)	4284900956 (0xFF66665C)
YUV	100.8600, -4.3680, 0.9998
Hunter-Lab	36.2736, -3.3626, 5.6654

Details

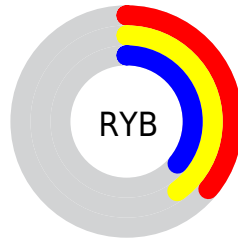
The CIELCh color **43, 5.989, 109.290** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 6.120, 291.133**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 6.125, 109.497**, and **23, 5.974, 108.836** is the 20% darker color. If you saturate the color by 10%, you get **43, 12.080, 108.393**, and if you desaturate by 10%, it is **43, 0.135, 290.496**.

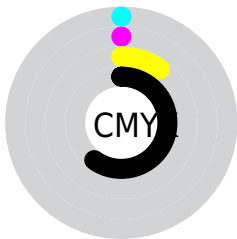
Distribution



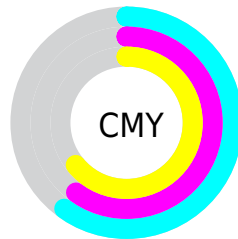
- Red (40%)
- Green (40%)
- Blue (36%)



- Red (36%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 5.989, 109.290 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, 5.989, 109.290 by changing the saturation by 10% instead.

 43, 5.989, 109.290	 43, 5.989, 109.290
 100, 5.989, 109.290	 33, 5.989, 109.290
 63, 5.989, 109.290	 23, 5.989, 109.290
 73, 5.989, 109.290	 13, 5.989, 109.290
 83, 5.989, 109.290	 3, 5.989, 109.290
 93, 5.989, 109.290	 0, 5.989, 109.290

 43, 5.989, 109.290	 43, 5.989, 109.290
 43, 12.080, 108.393	 43, 0.135, 290.496
 43, 18.099,	 44, 6.270, 291.090

107.487

■ 44, 12.398,
291.941

■ 42, 23.989,
106.597

■ 44, 18.506,
292.762

■ 42, 29.666,
105.743

■ 45, 24.585,
293.549

■ 42, 35.004,
104.947

■ 45, 30.629,
294.299

■ 42, 39.822,
104.240

■ 46, 36.630,
295.011

■ 42, 43.885,
103.655

■ 46, 42.585,
295.683

■ 42, 46.935,
103.223

■ 47, 48.489,
296.318

■ 42, 49.468,
102.870

Harmonies

Complementary

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



43, 5.989, 109.290



39, 6.120, 291.133

Rectangle

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



43, 5.989, 109.290



43, 5.989, 159.290



43, 5.989, 289.290



43, 5.989, 339.290

Sweetspot

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



43, 5.990, 109.299



55, 2.271, 109.889



40, 4.282, 19.909



28, 1.708, 109.832



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



43, 5.990, 109.299



55, 9.090, 109.069



43, 6.384, 128.675



21, 3.429, 109.377



47, 53.753, 102.863



93, 93.218, 102.864

Inverse Universe

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



39, 6.120, 291.133



50, 9.334, 291.402



40, 6.470, 309.467



19, 3.498, 291.044



11, 74.222, 306.288



30, 128.717, 306.288

Previews

White Background



This preview shows how the CIELCh color 43, 5.989, 109.290 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, 5.989, 109.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

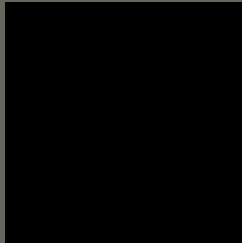
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 5.989, 109.290

Background



This preview shows how black text looks on a background with the CIELCh color 43, 5.989, 109.290.



This preview shows how white text looks on a background with the CIELCh color 43, 5.989, 109.290.

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, 5.989, 109.290

Protanopia

43, 5.800, 87.583

Deuteranopia

43, 7.581, 43.346



Tritanopia
43, 5.108, 309.363

Trichromacy



Original Color
43, 5.989, 109.290

Protanomaly
43, 5.655, 91.667

Deuteranomaly
43, 6.022, 63.737

Tritanomaly
43, 1.032, 343.556

Monochromacy



Original Color
43, 5.989, 109.290

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 1.798, 109.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 5.989, 109.290 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(102, 102, 92)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 92)  
}
```

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(102, 102, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 5.989, 109.290 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(102, 102, 92) }
```

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

```
.border{ border-color:rgb(102, 102, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 92);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 5.989, 109.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 92) }
```

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

```
.background{ background-color: rgb(102,  
102, 92) }
```

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