

# Converting Colors

CIELCh(44, 11.181, 309.697)

Have a look what the booklet for  
CIELCh(44, 11.181, 309.697)  
contains.

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# Color

**CIELCh(44, 10.724, 308.674)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D6576
RGB	109, 101, 118
RGB Percent	43%, 40%, 46%
CMY	0.5729, 0.6043, 0.5377
CMYK	0.08, 0.14, 0.00, 0.54
HSL	268°, 8%, 43%
HSV	268°, 14%, 46%
XYZ	14.2020, 13.8382, 19.0299
YIQ	105.3300, -0.6890, 6.9830

# Conversions

## Conversions Part 2

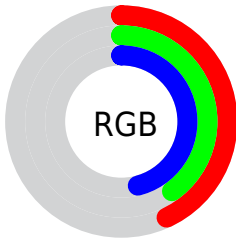
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 101, 118
Decimal	7169398
CIE <sub>Lab</sub>	44.00, 6.70, -8.37
CIE <sub>LCh</sub>	44, 10.724, 308.674
Yxy	13.8382, 0.3017, 0.2940
Android (android.graphics.Color)	4285359478 (0xFF6D6576)
YUV	105.3300, 6.2463, 3.2186
Hunter-Lab	37.1997, 3.0474, -4.2906

# Details

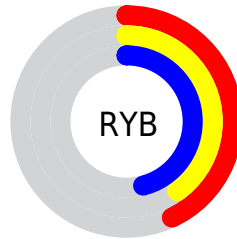
The CIELCh color  $44, 10.724, 308.674$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $48, 10.510, 127.409$ , and the grayscale version is  $44, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 10.636, 309.527$ , and  $24, 11.091, 307.884$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 18.408, 309.175$ , and if you desaturate by 10%, it is  $48, 3.241, 308.198$ .

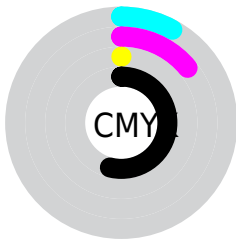
# Distribution



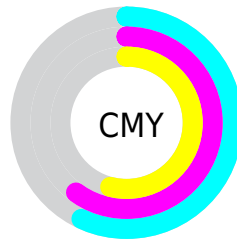
- Red (43%)
- Green (40%)
- Blue (46%)



- Red (43%)
- Yellow (40%)
- Blue (46%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)




- Cyan (57%)
- Magenta (60%)
- Yellow (54%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 10.724, 308.674 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 44, 10.724, 308.674 by changing the saturation by 10% instead.





 44, 10.724,  
308.674


 44, 10.724,  
308.674


 100, 10.724,  
308.674


 34, 10.724,  
308.674

 64, 10.724,  
308.674


 24, 10.724,  
308.674

 74, 10.724,  
308.674

 14, 10.724,  
308.674


 84, 10.724,  
308.674

 4, 10.724, 308.674

 94, 10.724,  
308.674

 0, 10.724, 308.674

 44, 10.724,

 44, 10.724,

308.674

308.674

40, 18.408,  
309.175

48, 3.241, 308.198

36, 26.265,  
309.710

52, 4.024, 127.825

33, 34.226,  
310.263

56, 11.069,  
127.443

29, 42.172,  
310.807

59, 17.900,  
127.112

25, 49.898,  
311.298

63, 24.524,  
126.822

22, 57.081,  
311.669

67, 30.951,  
126.568

20, 63.271,  
311.829

71, 37.191,  
126.348

17, 68.054,  
311.703

75, 43.253,  
126.157

■ 16, 70.702,  
311.692

■ 78, 49.150,  
125.992

# Harmonies

# Complementary

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



44, 10.724, 308.674



48, 10.510, 127.409

# Rectangle

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



44, 10.724, 308.674



44, 10.724, 358.674



44, 10.724, 128.674



44, 10.724, 178.674

# Sweetspot

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



44, 10.723, 308.672



61, 3.634, 308.183



46, 5.814, 253.563



31, 2.569, 308.213



82, 0.010, 296.813



33, 0.005, 296.813





# Same Dimension

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



44, 10.723, 308.672



55, 15.719, 308.820



45, 12.144, 324.259



23, 4.138, 308.416



17, 72.657, 311.648



39, 123.929, 311.039



# Inverse Universe

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



45, 8.840, 343.204



56, 12.942, 343.466



48, 12.121, 142.765



23, 3.418, 342.744



25, 49.749, 357.720



54, 83.791, 0.049



# Previews

## White Background



This preview shows how the CIELCh color 44, 10.724, 308.674 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 44, 10.724, 308.674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

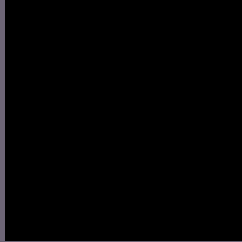
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 10.724, 308.674

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 10.724, 308.674.



This preview shows how white text looks on a background with the CIELCh color 44, 10.724, 308.674.

# 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

44, 10.724, 308.674


### Protanopia

44, 9.612, 286.943

### Deuteranopia

44, 10.614, 306.622





**Tritanopia**  
44, 5.409, 317.563

# Trichromacy



**Original Color**  
44, 10.724, 308.674

**Protanomaly**  
44, 10.250, 295.970

**Deuteranomaly**  
44, 10.614, 306.622

**Tritanomaly**  
44, 7.055, 311.025

# Monochromacy



**Original Color**  
44, 10.724, 308.674

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
44, 3.696, 303.319

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 10.724, 308.674 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(109, 101, 118)` looks like.

```
.text, #text, p{  
    color:rgb(109, 101, 118)  
}
```

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(109, 101, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 101, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 10.724, 308.674 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(109, 101, 118) }
```

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

```
.border{ border-color:rgb(109, 101, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 101, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 101, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 101, 118);  
box-shadow:4px 4px 4px 4px rgb(109, 101,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 10.724, 308.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 101, 118) }
```

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

```
.background{ background-color: rgb(109,  
101, 118) }
```

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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