

# Converting Colors

CIELCh(44, 5.352, 215.442)

Have a look what the booklet for  
CIELCh(44, 5.352, 215.442) contains.

<b>CIELCh(44, 5.388, 218.455)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(44, 5.388, 218.455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5D6A6D
RGB	93, 106, 109
RGB Percent	36%, 42%, 43%
CMY	0.6339, 0.5829, 0.5712
CMYK	0.15, 0.03, 0.00, 0.57
HSL	191°, 8%, 40%
HSV	191°, 15%, 43%
XYZ	12.5195, 13.8382, 16.5795
YIQ	102.4550, -8.7110, -1.8230

# Conversions

## Conversions Part 2

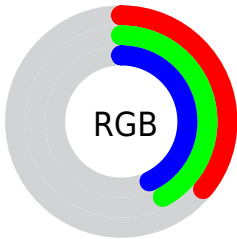
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 100, 109
Decimal	6122093
CIE <sub>Lab</sub>	44.00, -4.22, -3.35
CIE <sub>LCh</sub>	44, 5.388, 218.455
Yxy	13.8382, 0.2916, 0.3223
Android (android.graphics.Color)	4284312173 (0xFF5D6A6D)
YUV	102.4550, 3.2267, -8.2920
Hunter-Lab	37.1997, -5.0258, -0.3851

# Details

The CIELCh color **44, 5.388, 218.455** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 5.891, 37.819**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 5.426, 217.055**, and **24, 5.410, 220.305** is the 20% darker color. If you saturate the color by 10%, you get **43, 8.812, 218.825**, and if you desaturate by 10%, it is **45, 1.749, 218.310**.

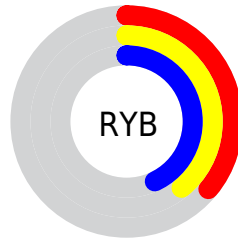
# Distribution



Red (36%)

Green (42%)

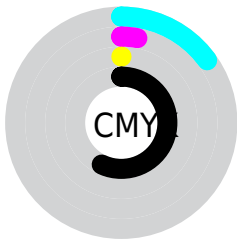
Blue (43%)



Red (36%)

Yellow (39%)

Blue (43%)

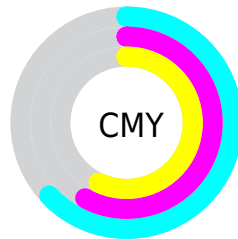


Cyan (15%)

Magenta (3%)

Yellow (0%)

Black (57%)



Cyan (63%)

Magenta (58%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 5.388, 218.455 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, 5.388, 218.455 by changing the saturation by 10% instead.



■ 44, 5.388, 218.455

■ 44, 5.388, 218.455

■ 100, 5.388,  
218.455

■ 34, 5.388, 218.455

■ 64, 5.388, 218.455

■ 24, 5.388, 218.455

■ 74, 5.388, 218.455

■ 14, 5.388, 218.455

■ 84, 5.388, 218.455

■ 4, 5.388, 218.455

■ 94, 5.388, 218.455

■ 0, 5.388, 218.455

■ 44, 5.388, 218.455

■ 44, 5.388, 218.455

■ 43, 8.812, 218.825

■ 45, 1.749, 218.310

■ 41, 11.970,  
219.396

■ 47, 2.060, 37.780

40, 14.811,  
220.191

49, 6.000, 37.819

39, 17.284,  
221.258

50, 10.038, 37.835

52, 14.145, 37.890

38, 19.346,  
222.656

54, 18.299, 37.978

37, 20.970,  
224.452

55, 22.482, 38.093

57, 26.679, 38.229

36, 22.152,  
226.714

59, 30.878, 38.378

35, 22.958,  
229.447

34, 23.375,  
230.911

# Harmonies

# Complementary

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



44, 5.388, 218.455



42, 5.891, 37.819

# Rectangle

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



44, 5.388, 218.455



44, 5.388, 268.455



44, 5.388, 38.455



44, 5.388, 88.455

# Sweetspot

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



44, 5.388, 218.443



59, 1.880, 218.325



45, 10.286, 149.052



30, 1.325, 218.309



80, 0.010, 296.813



30, 0.005, 296.813



# Same Dimension

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



44, 5.388, 218.443



56, 8.161, 218.569



42, 6.870, 274.307



22, 2.062, 218.315



37, 24.578, 231.215



74, 42.428, 233.536





# Inverse Universe

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



42, 10.288, 330.929



52, 15.773, 331.166



44, 6.867, 90.700



21, 3.870, 330.579



26, 56.596, 336.969



56, 96.616, 337.596



# Previews

## White Background



This preview shows how the CIE LCh color 44, 5.388, 218.455 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 44, 5.388, 218.455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

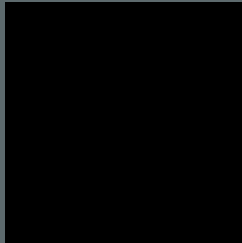
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

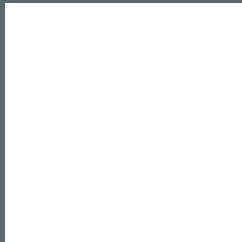
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 44, 5.388, 218.455**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 5.388, 218.455.



This preview shows how white text looks on a background with the CIELCh color 44, 5.388, 218.455.

# 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

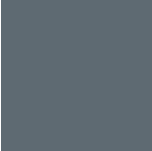
44, 5.388, 218.455

### Protanopia

44, 3.121, 305.698

### Deuteranopia

44, 6.795, 327.736



**Tritanopia**  
44, 6.583, 245.931



# Trichromacy



## Original Color

44, 5.388, 218.455

## Protanomaly

44, 2.668, 263.606

## Deuteranomaly

44, 4.289, 301.615

## Tritanomaly

44, 5.830, 237.197

# Monochromacy



## Original Color

44, 5.388, 218.455

## Achromatopsia

44, 0.006, 296.813

## Achromatomaly

44, 2.106, 215.902

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 5.388, 218.455 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(93, 106, 109)` looks like.

```
.text, #text, p{  
    color:rgb(93, 106, 109)  
}
```

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(93, 106, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 106, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 5.388, 218.455 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(93, 106, 109) }
```

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

```
.border{ border-color:rgb(93, 106, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 106, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 106, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 106, 109);  
box-shadow:4px 4px 4px 4px rgb(93, 106,  
109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 5.388, 218.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 106, 109) }
```

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

```
.background{ background-color: rgb(93, 106,  
109) }
```

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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