

Converting Colors

CIELCh(50, 3.731, 163.243)

Have a look what the booklet for
CIELCh(50, 3.731, 163.243) contains.

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Color

CIELCh(50, 3.988, 163.201)

Conversions

Conversions Part 1

Format	Color
Hex	717975
RGB	113, 121, 117
RGB Percent	44%, 47%, 46%
CMY	0.5575, 0.5261, 0.5418
CMYK	0.07, 0.00, 0.03, 0.53
HSL	150°, 3%, 46%
HSV	150°, 7%, 47%
XYZ	16.8110, 18.4187, 19.4515
YIQ	118.1520, -3.4840, -2.9400

Conversions

Conversions Part 2

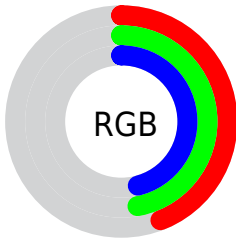
Format	Color
R_{YB}	113, 118, 121
Decimal	7436661
CIE Lab	50.00, -3.82, 1.15
CIE LCh	50, 3.988, 163.201
Yxy	18.4187, 0.3074, 0.3368
Android (android.graphics.Color)	4285626741 (0xFF717975)
YUV	118.1520, -0.5679, -4.5183
Hunter-Lab	42.9170, -5.1845, 3.1695

Details

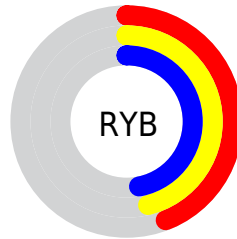
The CIELCh color **50, 3.988, 163.201** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 4.028, 344.096**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 3.733, 163.376**, and **30, 4.358, 162.876** is the 20% darker color. If you saturate the color by 10%, you get **49, 10.021, 162.302**, and if you desaturate by 10%, it is **51, 2.038, 343.759**.

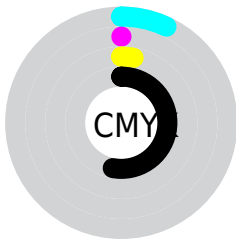
Distribution



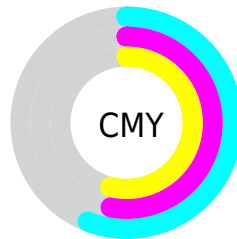
- Red (44%)
- Green (47%)
- Blue (46%)



- Red (44%)
- Yellow (46%)
- Blue (47%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)



- Cyan (56%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 3.988, 163.201 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 50, 3.988, 163.201 by changing the saturation by 10% instead.

■ 50, 3.988, 163.201

■ 50, 3.988, 163.201

■ 100, 3.988,
163.201

■ 40, 3.988, 163.201

■ 70, 3.988, 163.201

■ 30, 3.988, 163.201

■ 80, 3.988, 163.201

■ 20, 3.988, 163.201

■ 90, 3.988, 163.201

■ 10, 3.988, 163.201

■ 0, 3.988, 163.201

■ 50, 3.988, 163.201

■ 50, 3.988, 163.201

■ 49, 10.021,
162.302

■ 51, 2.038, 343.759

■ 48, 15.993,
161.350

■ 52, 8.007, 344.569

■ 54, 13.881,

47, 21.826,
160.295

345.237

46, 27.429,
159.113

55, 19.632,
345.849

46, 32.710,
157.781

57, 25.240,
346.418

45, 37.579,
156.279

58, 30.696,
346.951

45, 41.960,
154.590

60, 35.995,
347.452

44, 45.812,
152.705

62, 41.136,
347.926

44, 49.191,
150.693

63, 46.122,
348.375

Harmonies

Complementary

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



50, 3.988, 163.201



48, 4.028, 344.096

Rectangle

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



50, 3.988, 163.201



50, 3.988, 213.201



50, 3.988, 343.201



50, 3.988, 33.201

Sweetspot

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



50, 3.989, 163.194



65, 1.496, 163.714



50, 4.932, 128.220



33, 0.846, 163.744



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 3.989, 163.194



64, 6.009, 163.052



50, 3.162, 197.763



25, 3.432, 162.974



46, 51.617, 149.974



88, 89.260, 148.660

Inverse Universe

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



48, 4.028, 344.096



62, 6.076, 344.238



48, 3.286, 18.317



24, 3.473, 344.316



26, 50.114, 0.445



54, 83.990, 2.907

Previews

White Background



This preview shows how the CIELCh color 50, 3.988, 163.201 looks on a white background.

Color Contrast Check

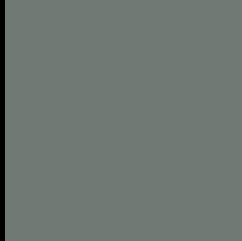
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 3.988, 163.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

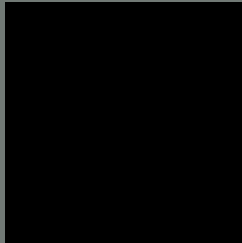
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

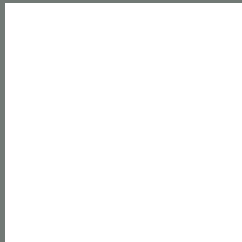
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 3.988, 163.201

Background



This preview shows how black text looks on a background with the CIELCh color 50, 3.988, 163.201.



This preview shows how white text looks on a background with the CIELCh color 50, 3.988, 163.201.

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


50, 3.988, 163.201

Protanopia

50, 2.382, 66.593

Deuteranopia

50, 6.390, 4.246



Tritanopia
50, 6.022, 276.107

Trichromacy



Original Color
50, 3.988, 163.201

Protanomaly
50, 1.745, 109.924

Deuteranomaly
50, 2.908, 8.043

Tritanomaly
50, 3.710, 251.449

Monochromacy



Original Color
50, 3.988, 163.201

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.341, 173.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 3.988, 163.201 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(113, 121, 117)` looks like.

```
.text, #text, p{  
    color:rgb(113, 121, 117)  
}
```

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(113, 121, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 121, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 3.988, 163.201 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(113, 121, 117) }
```

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

```
.border{ border-color:rgb(113, 121, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 121, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 121, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 121, 117);  
box-shadow:4px 4px 4px 4px rgb(113, 121,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 3.988, 163.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 121, 117) }
```

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

```
.background{ background-color: rgb(113,  
121, 117) }
```

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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