

Converting Colors

CIELCh(50, 6.831, 230.756)

Have a look what the booklet for
CIELCh(50, 6.831, 230.756) contains.

CIELCh(50, 6.934, 229.393)	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(50, 6.934, 229.393)

Conversions

Conversions Part 1

Format	Color
Hex	6A7A80
RGB	106, 122, 128
RGB Percent	42%, 48%, 50%
CMY	0.5857, 0.5230, 0.4995
CMYK	0.17, 0.05, 0.00, 0.50
HSL	196°, 9%, 46%
HSV	196°, 17%, 50%
XYZ	16.6863, 18.4187, 22.9688
YIQ	117.9000, -11.4620, -1.5260

Conversions

Conversions Part 2

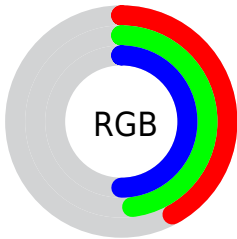
Format	Color
R_{YB}	106, 115, 128
Decimal	6978176
CIE Lab	50.00, -4.51, -5.26
CIE LCh	50, 6.934, 229.393
Yxy	18.4187, 0.2873, 0.3172
Android (android.graphics.Color)	4285168256 (0xFF6A7A80)
YUV	117.9000, 4.9793, -10.4363
Hunter-Lab	42.9170, -5.7029, -1.6897

Details

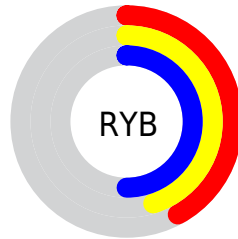
The CIELCh color **50, 6.934, 229.393** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 7.649, 47.293**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 6.851, 233.170**, and **30, 7.052, 231.848** is the 20% darker color. If you saturate the color by 10%, you get **48, 10.671, 230.304**, and if you desaturate by 10%, it is **52, 2.976, 228.723**.

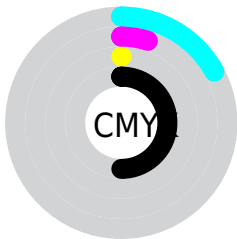
Distribution



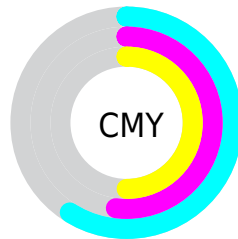
- Red (42%)
- Green (48%)
- Blue (50%)



- Red (42%)
- Yellow (45%)
- Blue (50%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (59%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 6.934, 229.393 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, 6.934, 229.393 by changing the saturation by 10% instead.

■ 50, 6.934, 229.393

■ 50, 6.934, 229.393

■ 100, 6.934,
229.393

■ 40, 6.934, 229.393

■ 70, 6.934, 229.393

■ 30, 6.934, 229.393

■ 80, 6.934, 229.393

■ 20, 6.934, 229.393

■ 90, 6.934, 229.393

■ 10, 6.934, 229.393

■ 0, 6.934, 229.393

■ 50, 6.934, 229.393

■ 50, 6.934, 229.393

■ 48, 10.671,
230.304

■ 52, 2.976, 228.723

■ 46, 14.137,
231.497

■ 54, 1.158, 47.711

■ 56, 5.428, 47.529

44, 17.285,
233.021

58, 9.801, 47.227

43, 20.069,
234.948

60, 14.247, 46.988

41, 22.460,
237.359

63, 18.744, 46.807

40, 24.451,
240.336

67, 27.819, 46.578

69, 32.369, 46.512

38, 26.075,
243.941

37, 27.457,
248.059

37, 27.855,
249.166

Harmonies

Complementary

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



50, 6.934, 229.393



48, 7.649, 47.293

Rectangle

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



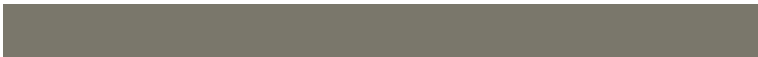
50, 6.934, 229.393



50, 6.934, 279.393



50, 6.934, 49.393



50, 6.934, 99.393

Sweetspot

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



50, 6.934, 229.383



67, 2.560, 228.642



51, 12.944, 151.800



35, 1.758, 228.660



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 6.934, 229.383



63, 10.353, 229.745



47, 10.130, 280.483



26, 2.309, 228.821



37, 27.834, 249.161



0, 0.000, 0.000

Inverse Universe

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



47, 12.964, 334.304



59, 19.598, 334.600



51, 9.992, 96.369



25, 4.216, 333.747



28, 56.538, 342.331



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 6.934, 229.393 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, 6.934, 229.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

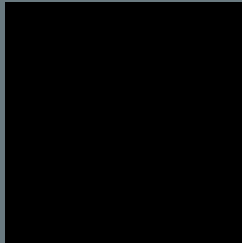
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

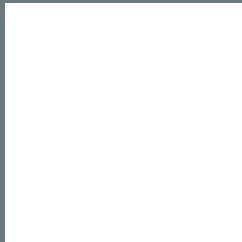
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 6.934, 229.393

Background



This preview shows how black text looks on a background with the CIELCh color 50, 6.934, 229.393.



This preview shows how white text looks on a background with the CIELCh color 50, 6.934, 229.393.

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, 6.934, 229.393

Protanopia

50, 4.127, 296.194

Deuteranopia

50, 9.320, 318.822



Tritanopia
50, 8.005, 246.172

Trichromacy



Original Color
50, 6.934, 229.393

Protanomaly
50, 4.501, 265.137

Deuteranomaly
50, 7.092, 297.381

Tritanomaly
50, 7.618, 242.904

Monochromacy



Original Color
50, 6.934, 229.393

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 2.618, 241.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 6.934, 229.393 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(106, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(106, 122, 128)  
}
```

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(106, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 122, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 6.934, 229.393 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(106, 122, 128) }
```

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

```
.border{ border-color:rgb(106, 122, 128) }
```

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

Here you see how a box with a 4 pixel rgb(106, 122, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 122, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 122, 128);  
box-shadow:4px 4px 4px 4px rgb(106, 122,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 6.934, 229.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 122, 128) }
```

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

```
.background{ background-color: rgb(106,  
122, 128) }
```

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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