

Converting Colors

CIELCh(50, 7.845, 12.618)

Have a look what the booklet for
CIELCh(50, 7.845, 12.618) contains.

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Color

CIELCh(50, 7.936, 11.884)

Conversions

Conversions Part 1

Format	Color
Hex	857274
RGB	133, 114, 116
RGB Percent	52%, 45%, 45%
CMY	0.4768, 0.5513, 0.5435
CMYK	0.00, 0.14, 0.13, 0.48
HSL	354°, 8%, 49%
HSV	354°, 14%, 52%
XYZ	18.9796, 18.4187, 19.2031
YIQ	119.9090, 10.6820, 4.6500

Conversions

Conversions Part 2

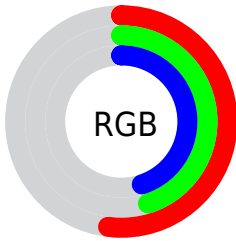
Format	Color
R_{YB}	133, 114, 116
Decimal	8745588
CIE _{Lab}	50.00, 7.77, 1.63
CIE _{LCh}	50, 7.936, 11.884
Yxy	18.4187, 0.3353, 0.3254
Android (android.graphics.Color)	4286935668 (0xFF857274)
YUV	119.9090, -1.9271, 11.4808
Hunter-Lab	42.9170, 3.8350, 3.5127

Details

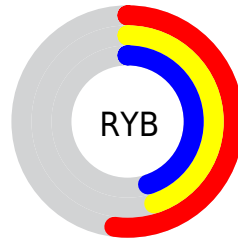
The CIELCh color $50, 7.936, 11.884$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 7.395, 189.715$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 7.769, 11.986$, and $30, 7.850, 11.441$ is the 20% darker color. If you saturate the color by 10%, you get $46, 13.921, 12.975$, and if you desaturate by 10%, it is $54, 2.293, 10.893$.

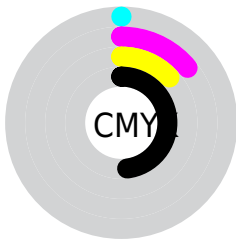
Distribution



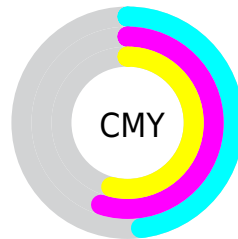
- Red (52%)
- Green (45%)
- Blue (45%)



- Red (52%)
- Yellow (45%)
- Blue (45%)



- Cyan (0%)
- Magenta (14%)
- Yellow (13%)
- Black (48%)
















- Cyan (48%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 7.936, 11.884 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, 7.936, 11.884 by changing the saturation by 10% instead.

 50, 7.936, 11.884	 50, 7.936, 11.884
 100, 7.936, 11.884	 40, 7.936, 11.884
 70, 7.936, 11.884	 30, 7.936, 11.884
 80, 7.936, 11.884	 20, 7.936, 11.884
 90, 7.936, 11.884	 10, 7.936, 11.884
	 0, 7.936, 11.884

 50, 7.936, 11.884	 50, 7.936, 11.884
 46, 13.921, 12.975	 54, 2.293, 10.893
 42, 20.221, 14.286	 58, 3.002, 190.462
 39, 26.764, 15.914	 62, 7.968, 189.752

■ 36, 33.422, 17.962

■ 66, 12.628,
189.192

■ 33, 40.013, 20.548

■ 70, 17.013,
188.711

■ 30, 46.323, 23.783

■ 29, 52.153, 27.697

■ 74, 21.149,
188.289

■ 27, 57.341, 32.076

■ 79, 25.064,
187.914

■ 27, 60.186, 34.225

■ 83, 28.784,
187.578

■ 87, 32.331,
187.275

Harmonies

Complementary

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



50, 7.936, 11.884



54, 7.395, 189.715

Rectangle

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



50, 7.936, 11.884



50, 7.936, 61.884



50, 7.936, 191.884



50, 7.936, 241.884

Sweetspot

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



50, 7.935, 11.893



69, 2.674, 10.874



50, 12.963, 321.885



35, 1.896, 10.953



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 7.935, 11.893



62, 11.841, 12.212



52, 6.444, 60.496



26, 3.075, 11.394



26, 58.975, 34.061



0, 0.717, 10.731

Inverse Universe

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



50, 7.935, 11.893



62, 11.841, 12.212



52, 6.066, 243.451



26, 3.075, 11.394



26, 58.975, 34.061



0, 0.717, 10.731

Previews

White Background



This preview shows how the CIELCh color 50, 7.936, 11.884 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 50, 7.936, 11.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

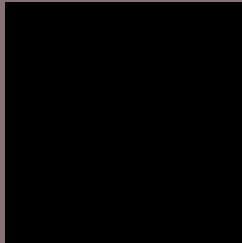
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 7.936, 11.884

Background



This preview shows how black text looks on a background with the CIELCh color 50, 7.936, 11.884.



This preview shows how white text looks on a background with the CIELCh color 50, 7.936, 11.884.

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, 7.936, 11.884

Protanopia

50, 1.352, 353.669

Deuteranopia

50, 7.042, 15.448



Tritanopia
50, 10.024, 349.046

Trichromacy



Original Color
50, 7.936, 11.884

Protanomaly
50, 3.716, 10.718

Deuteranomaly
50, 7.461, 15.770

Tritanomaly
50, 8.893, 357.338

Monochromacy



Original Color
50, 7.936, 11.884

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 2.904, 8.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 7.936, 11.884 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(133, 114, 116)` looks like.

```
.text, #text, p{  
    color:rgb(133, 114, 116)  
}
```

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(133, 114, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 114, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 7.936, 11.884 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(133, 114, 116) }
```

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

```
.border{ border-color:rgb(133, 114, 116) }
```

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

Here you see how a box with a 4 pixel rgb(133, 114, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 114, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 114, 116);  
box-shadow:4px 4px 4px 4px rgb(133, 114,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 7.936, 11.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 114, 116) }
```

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

```
.background{ background-color: rgb(133,  
114, 116) }
```

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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