

Converting Colors

CIELCh(58, 2.223, 230.277)

Have a look what the booklet for
CIELCh(58, 2.223, 230.277) contains.

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Color

CIELCh(58, 2.220, 230.276)

Conversions

Conversions Part 1

Format	Color
Hex	878C8E
RGB	135, 140, 142
RGB Percent	53%, 55%, 56%
CMY	0.4696, 0.4500, 0.4422
CMYK	0.05, 0.01, 0.00, 0.44
HSL	197°, 3%, 54%
HSV	197°, 5%, 56%
XYZ	24.3473, 25.9610, 29.4172
YIQ	138.7330, -3.6220, -0.4380

Conversions

Conversions Part 2

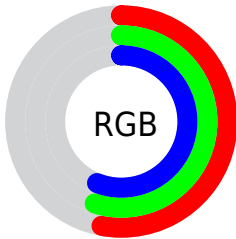
Format	Color
R_{YB}	135, 138, 142
Decimal	8883342
CIE Lab	58.00, -1.42, -1.71
CIE LCh	58, 2.220, 230.276
Yxy	25.9610, 0.3054, 0.3256
Android (android.graphics.Color)	4287073422 (0xFF878C8E)
YUV	138.7330, 1.6106, -3.2738
Hunter-Lab	50.9519, -3.8698, 1.4351

Details

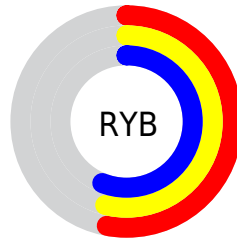
The CIELCh color $58, 2.220, 230.276$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $58, 2.274, 49.291$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 2.414, 225.825$, and $38, 2.387, 230.380$ is the 20% darker color. If you saturate the color by 10%, you get $56, 6.587, 230.873$, and if you desaturate by 10%, it is $60, 2.324, 49.292$.

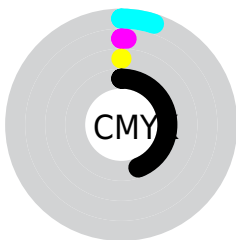
Distribution



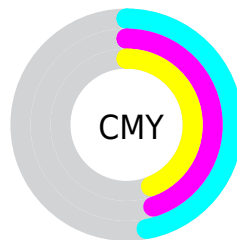
- Red (53%)
- Green (55%)
- Blue (56%)



- Red (53%)
- Yellow (54%)
- Blue (56%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)



- Cyan (47%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 2.220, 230.276 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 58, 2.220, 230.276 by changing the saturation by 10% instead.

■ 58, 2.220, 230.276

■ 58, 2.220, 230.276

■ 100, 2.220,
230.276

■ 48, 2.220, 230.276

■ 78, 2.220, 230.276

■ 38, 2.220, 230.276

■ 88, 2.220, 230.276

■ 28, 2.220, 230.276

■ 98, 2.220, 230.276

■ 18, 2.220, 230.276

■ 8, 2.220, 230.276

■ 0, 2.220, 230.276

■ 58, 2.220, 230.276

■ 58, 2.220, 230.276

■ 56, 6.587, 230.873

■ 60, 2.324, 49.292

■ 54, 10.728,

■ 63, 7.004, 48.946

231.816

65, 11.785, 48.612

52, 14.593,
233.037

67, 16.637, 48.345

50, 18.128,
234.591

70, 21.538, 48.139

48, 21.285,
236.553

72, 26.466, 47.980

46, 24.029,
239.007

75, 31.408, 47.861

44, 26.353,
242.034

77, 36.350, 47.771

42, 28.287,
245.700

41, 29.919,
249.998

Harmonies

Complementary

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



58, 2.220, 230.276



58, 2.274, 49.291

Rectangle

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



58, 2.220, 230.276



58, 2.220, 280.276



58, 2.220, 50.276



58, 2.220, 100.276

Sweetspot

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



58, 2.220, 230.234



75, 0.569, 230.661



58, 3.966, 153.366



40, 0.326, 230.715



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



58, 2.220, 230.234



74, 3.362, 230.281



57, 3.177, 279.981



29, 1.783, 230.295



38, 29.574, 251.935



1, 1.743, 229.762

Inverse Universe

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



57, 3.979, 333.955



73, 6.045, 334.047



59, 3.150, 98.800



29, 3.208, 334.069



29, 58.418, 343.306



1, 3.080, 333.699

Previews

White Background



This preview shows how the CIE LCh color 58, 2.220, 230.276 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 58, 2.220, 230.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

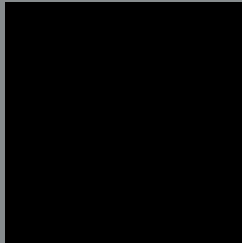
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

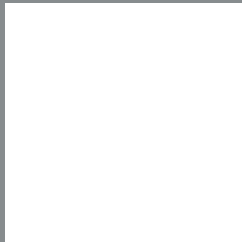
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 2.220, 230.276

Background



This preview shows how black text looks on a background with the CIELCh color 58, 2.220, 230.276.



This preview shows how white text looks on a background with the CIELCh color 58, 2.220, 230.276.

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


58, 2.220, 230.276

Protanopia

58, 1.392, 324.374

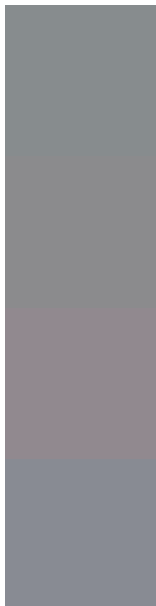
Deuteranopia

58, 7.774, 344.476



Tritanopia
58, 6.290, 284.024

Trichromacy



Original Color

58, 2.220, 230.276

Protanomaly

58, 1.143, 290.353

Deuteranomaly

58, 4.649, 332.630

Tritanomaly

58, 4.674, 276.608

Monochromacy



Original Color

58, 2.220, 230.276

Achromatopsia

58, 0.007, 296.813

Achromatomaly

58, 0.689, 255.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 2.220, 230.276 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(135, 140, 142)` looks like.

```
.text, #text, p{  
    color:rgb(135, 140, 142)  
}
```

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(135, 140, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 140, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 2.220, 230.276 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(135, 140, 142) }
```

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

```
.border{ border-color:rgb(135, 140, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 140, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 140, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 140, 142);  
box-shadow:4px 4px 4px 4px rgb(135, 140,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 2.220, 230.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 140, 142) }
```

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

```
.background{ background-color: rgb(135,  
140, 142) }
```

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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