

Converting Colors

CIELCh(63, 2.047, 199.432)

Have a look what the booklet for
CIELCh(63, 2.047, 199.432) contains.

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Color

CIELCh(63, 2.280, 199.394)

Conversions

Conversions Part 1

Format	Color
Hex	949A9A
RGB	148, 154, 154
RGB Percent	58%, 60%, 60%
CMY	0.4209, 0.3974, 0.3974
CMYK	0.04, 0.00, 0.00, 0.40
HSL	180°, 3%, 59%
HSV	180°, 4%, 60%
XYZ	29.4572, 31.5869, 34.9695
YIQ	152.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

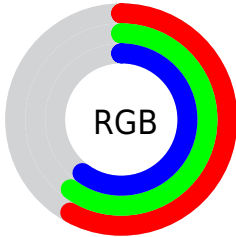
Format	Color
RYB	148, 151, 154
Decimal	9738906
CIELab	63.00, -2.15, -0.76
CIElCh	63, 2.280, 199.394
Yxy	31.5869, 0.3068, 0.3290
Android (android.graphics.Color)	4287928986 (0xFF949A9A)
YUV	152.2060, 0.8844, -3.6887
Hunter-Lab	56.2022, -4.7971, 2.4508

Details

The CIELCh color $63, 2.280, 199.394$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 2.337, 19.407$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 2.160, 199.508$, and $43, 2.442, 199.243$ is the 20% darker color. If you saturate the color by 10%, you get $62, 7.927, 198.697$, and if you desaturate by 10%, it is $64, 3.633, 19.586$.

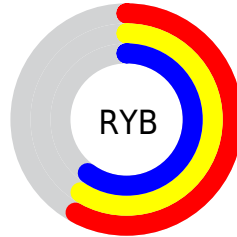
Distribution



Red (58%)

Green (60%)

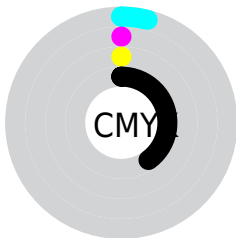
Blue (60%)



Red (58%)

Yellow (59%)

Blue (60%)

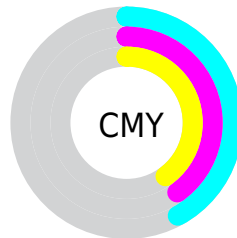


Cyan (4%)

Magenta (0%)

Yellow (0%)

Black (40%)



Cyan (42%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 2.280, 199.394 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 63, 2.280, 199.394 by changing the saturation by 10% instead.

■ 63, 2.280, 199.394

■ 63, 2.280, 199.394

■ 100, 2.280,
199.394

■ 53, 2.280, 199.394

■ 83, 2.280, 199.394

■ 43, 2.280, 199.394

■ 93, 2.280, 199.394

■ 33, 2.280, 199.394

■ 23, 2.280, 199.394

■ 13, 2.280, 199.394

■ 3, 2.280, 199.394

■ 0, 2.280, 199.394

■ 63, 2.280, 199.394

■ 63, 2.280, 199.394

■ 62, 7.927, 198.697

■ 64, 3.633, 19.586

61, 13.219,
198.194

66, 9.740, 20.241

60, 18.069,
197.752

67, 15.976, 20.854

59, 22.385,
197.367

69, 22.286, 21.468

59, 26.086,
197.043

72, 34.971, 22.701

58, 29.109,
196.780

74, 41.192, 23.304

58, 31.419,
196.581

74, 41.192, 23.299

58, 33.016,
196.443

74, 41.191, 23.295

57, 33.947,
196.360

Harmonies

Complementary

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



63, 2.280, 199.394



62, 2.337, 19.407

Rectangle

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



63, 2.280, 199.394



63, 2.280, 249.394



63, 2.280, 19.394



63, 2.280, 69.394

Sweetspot

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



63, 2.281, 199.358



80, 0.724, 200.074



63, 4.071, 143.841



42, 0.411, 200.127



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



63, 2.281, 199.358



79, 3.595, 199.248



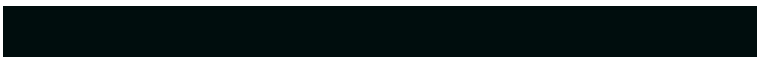
62, 1.997, 254.212



32, 1.967, 199.213



53, 32.129, 196.324



3, 3.595, 199.382

Inverse Universe

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



62, 2.337, 19.407



77, 3.709, 19.526



62, 2.006, 72.984



31, 2.034, 19.565



28, 66.099, 39.033



1, 3.595, 19.371

Previews

White Background



This preview shows how the CIELCh color 63, 2.280, 199.394 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 2.280, 199.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

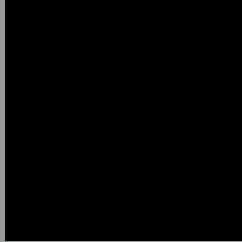
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

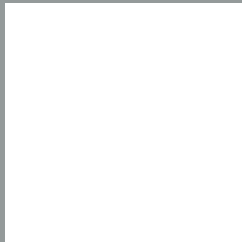
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 2.280, 199.394

Background



This preview shows how black text looks on a background with the CIELCh color 63, 2.280, 199.394.



This preview shows how white text looks on a background with the CIELCh color 63, 2.280, 199.394.

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

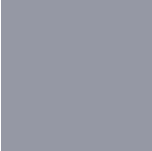
63, 2.280, 199.394

Protanopia

63, 1.158, 19.125

Deuteranopia

63, 8.017, 351.037



Tritanopia
63, 6.788, 281.491

Trichromacy



Original Color

63, 2.280, 199.394

Protanomaly

63, 0.382, 200.554

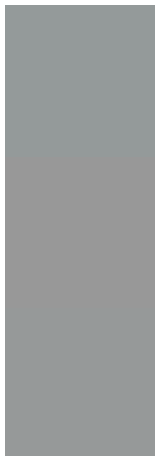
Deuteranomaly

63, 4.476, 341.134

Tritanomaly

63, 4.168, 269.551

Monochromacy



Original Color

63, 2.280, 199.394

Achromatopsia

63, 0.008, 296.813

Achromatomaly

63, 1.146, 199.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 2.280, 199.394 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(148, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(148, 154, 154)  
}
```

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(148, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 154, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 2.280, 199.394 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(148, 154, 154) }
```

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

```
.border{ border-color:rgb(148, 154, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(148, 154,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 2.280, 199.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 154, 154) }
```

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

```
.background{ background-color: rgb(148,  
154, 154) }
```

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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