

Converting Colors

CIELCh(62, 2.981, 120.766)

Have a look what the booklet for
CIELCh(62, 2.981, 120.766) contains.

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Color

CIELCh(62, 2.824, 117.780)

Conversions

Conversions Part 1

Format	Color
Hex	959691
RGB	149, 150, 145
RGB Percent	58%, 59%, 57%
CMY	0.4143, 0.4104, 0.4300
CMYK	0.01, 0.00, 0.03, 0.41
HSL	72°, 2%, 58%
HSV	72°, 3%, 59%
XYZ	28.5586, 30.4025, 31.2922
YIQ	149.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

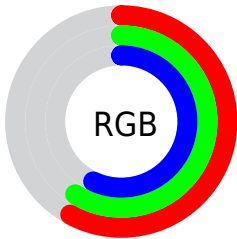
Format	Color
RYB	145, 150, 146
Decimal	9803409
CIELab	62.00, -1.32, 2.50
CIElCh	62, 2.824, 117.780
Yxy	30.4025, 0.3164, 0.3369
Android (android.graphics.Color)	4287993489 (0xFF959691)
YUV	149.1310, -2.0366, -0.1149
Hunter-Lab	55.1385, -4.0394, 4.9487

Details

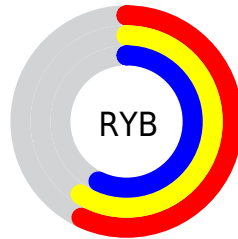
The CIELCh color **62, 2.824, 117.780** is a light color, and the websafe version is hex **999999**. A complement of this color would be **61, 2.859, 298.228**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 2.665, 117.835**, and **42, 2.449, 119.686** is the 20% darker color. If you saturate the color by 10%, you get **61, 11.322, 117.131**, and if you desaturate by 10%, it is **63, 5.686, 298.435**.

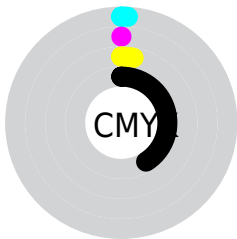
Distribution



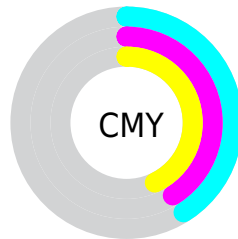
- Red (58%)
- Green (59%)
- Blue (57%)



- Red (57%)
- Yellow (59%)
- Blue (57%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (41%)



- Cyan (41%)
- Magenta (41%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 2.824, 117.780 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 62, 2.824, 117.780 by changing the saturation by 10% instead.

■ 62, 2.824, 117.780

■ 62, 2.824, 117.780

■ 100, 2.824,
117.780

■ 52, 2.824, 117.780

■ 82, 2.824, 117.780

■ 42, 2.824, 117.780

■ 92, 2.824, 117.780

■ 32, 2.824, 117.780

■ 22, 2.824, 117.780

■ 12, 2.824, 117.780

■ 2, 2.824, 117.780

■ 0, 2.824, 117.780

■ 62, 2.824, 117.780

■ 62, 2.824, 117.780

■ 61, 11.322,

■ 63, 5.686, 298.435

117.131

63, 14.180,
299.050

61, 19.756,
116.457

64, 22.633,
299.633

60, 28.062,
115.789

65, 31.027,
300.181

60, 36.138,
115.151

66, 39.349,
300.694

59, 43.836,
114.579

67, 47.589,
301.172

59, 50.934,
114.124

68, 55.739,
301.617

59, 57.125,
113.855

68, 58.158,
302.365

58, 62.039,
113.857

68, 58.239,
303.253

58, 65.347,
114.212

Harmonies

Complementary

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



62, 2.824, 117.780



61, 2.859, 298.228

Rectangle

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



62, 2.824, 117.780



62, 2.824, 167.780



62, 2.824, 297.780



62, 2.824, 347.780

Sweetspot

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



62, 2.826, 117.798



79, 1.049, 117.956



61, 1.652, 39.145



42, 0.601, 117.960



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



62, 2.826, 117.798



79, 4.222, 117.748



62, 3.125, 135.646



31, 2.367, 117.714



53, 62.834, 114.471



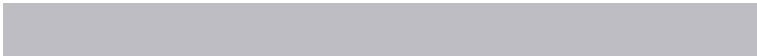
2, 4.159, 118.010

Inverse Universe

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



61, 2.859, 298.228



77, 4.274, 298.280



61, 3.146, 315.821



30, 2.397, 298.316



16, 83.148, 307.429



0, 4.160, 298.010

Previews

White Background



This preview shows how the CIELCh color 62, 2.824, 117.780 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 62, 2.824, 117.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

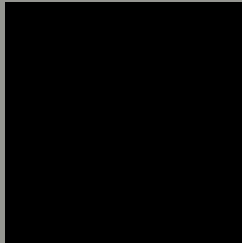
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 2.824, 117.780

Background



This preview shows how black text looks on a background with the CIELCh color 62, 2.824, 117.780.



This preview shows how white text looks on a background with the CIELCh color 62, 2.824, 117.780.

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

62, 2.824, 117.780

Protanopia

62, 2.959, 68.418

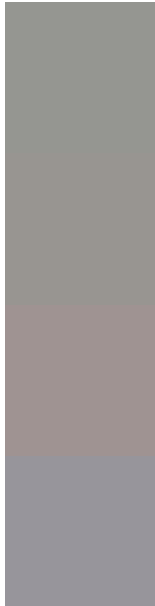
Deuteranopia

62, 7.935, 16.109



Tritanopia
62, 6.931, 303.448

Trichromacy



Original Color
62, 2.824, 117.780

Protanomaly
62, 2.513, 82.074

Deuteranomaly
62, 4.750, 26.509

Tritanomaly
62, 3.468, 303.238

Monochromacy



Original Color
62, 2.824, 117.780

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 0.553, 110.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 2.824, 117.780 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(149, 150, 145)` looks like.

```
.text, #text, p{  
    color:rgb(149, 150, 145)  
}
```

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(149, 150, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 150, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 2.824, 117.780 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(149, 150, 145) }
```

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

```
.border{ border-color:rgb(149, 150, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 150, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 150, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 150, 145);  
box-shadow:4px 4px 4px 4px rgb(149, 150,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 2.824, 117.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 150, 145) }
```

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

```
.background{ background-color: rgb(149,  
150, 145) }
```

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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