

Converting Colors

CIELCh(59, 12.850, 319.882)

Have a look what the booklet for
CIELCh(59, 12.850, 319.882)
contains.

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Color

CIELCh(59, 12.920, 319.349)

Conversions

Conversions Part 1

Format	Color
Hex	99899D
RGB	153, 137, 157
RGB Percent	60%, 54%, 62%
CMY	0.4007, 0.4634, 0.3850
CMYK	0.03, 0.13, 0.00, 0.38
HSL	288°, 9%, 58%
HSV	288°, 13%, 62%
XYZ	28.0974, 27.0277, 35.5572
YIQ	144.0640, 3.1160, 9.6120

Conversions

Conversions Part 2

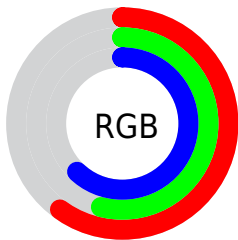
Format	Color
R_{YB}	153, 137, 157
Decimal	10062237
CIE Lab	59.00, 9.80, -8.42
CIE LCh	59, 12.920, 319.349
Yxy	27.0277, 0.3098, 0.2980
Android (android.graphics.Color)	4288252317 (0xFF99899D)
YUV	144.0640, 6.3774, 7.8369
Hunter-Lab	51.9882, 5.4924, -4.1595

Details

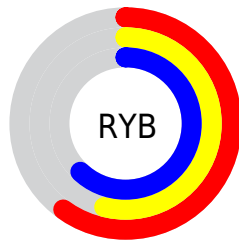
The CIELCh color $59, 12.920, 319.349$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $63, 12.834, 138.236$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 13.317, 318.423$, and $39, 13.183, 319.229$ is the 20% darker color. If you saturate the color by 10%, you get $55, 23.207, 319.793$, and if you desaturate by 10%, it is $63, 2.764, 318.866$.

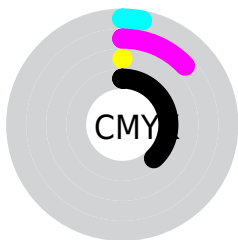
Distribution



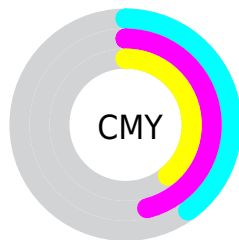
- Red (60%)
- Green (54%)
- Blue (62%)



- Red (60%)
- Yellow (54%)
- Blue (62%)



- Cyan (3%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)





- Cyan (40%)
- Magenta (46%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 12.920, 319.349 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 59, 12.920, 319.349 by changing the saturation by 10% instead.

 59, 12.920,
319.349


 59, 12.920,
319.349


 100, 12.920,
319.349


 49, 12.920,
319.349


 79, 12.920,
319.349

 39, 12.920,
319.349

 89, 12.920,
319.349

 29, 12.920,
319.349

 99, 12.920,
319.349

 19, 12.920,
319.349

 9, 12.920, 319.349

 0, 12.920, 319.349

59, 12.920,
319.349

59, 12.920,
319.349

55, 23.207,
319.793

63, 2.764, 318.866

50, 33.511,
320.226

68, 7.182, 138.535

46, 43.645,
320.629

72, 16.880,
138.124

43, 53.341,
320.976

77, 26.308,
137.749

39, 62.239,
321.234

82, 35.463,
137.403

36, 69.904,
321.362

86, 44.346,
137.085


34, 75.885,
321.316


91, 52.966,
136.794

32, 79.845,

93, 57.206,
136.244

321.059

 93, 56.646,
135.352

 31, 81.873,
320.791

Harmonies

Complementary

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



59, 12.920, 319.349



63, 12.834, 138.236

Rectangle

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



59, 12.920, 319.349



59, 12.920, 9.349



59, 12.920, 139.349



59, 12.920, 189.349

Sweetspot

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



59, 12.918, 319.348



80, 4.986, 318.943



59, 8.993, 280.944



42, 3.537, 318.980



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



59, 12.918, 319.348



74, 18.868, 319.462



59, 11.240, 334.440



31, 5.751, 319.191



28, 76.432, 320.846



1, 7.397, 317.830

Inverse Universe

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



59, 8.260, 4.393



74, 12.119, 4.670



63, 11.180, 152.763



31, 3.655, 4.022



29, 59.716, 28.205



1, 4.656, 4.034

Previews

White Background



This preview shows how the CIELCh color 59, 12.920, 319.349 looks on a white background.

Color Contrast Check

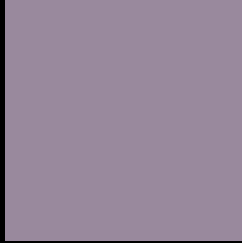
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 59, 12.920, 319.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

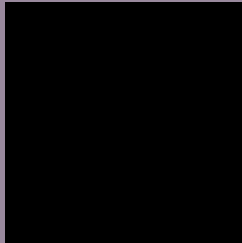
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 12.920, 319.349

Background



This preview shows how black text looks on a background with the CIELCh color 59, 12.920, 319.349.



This preview shows how white text looks on a background with the CIELCh color 59, 12.920, 319.349.

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

59, 12.920, 319.349

Protanopia

59, 10.220, 287.209

Deuteranopia

59, 11.606, 312.272



Tritanopia
59, 8.295, 331.567

Trichromacy



Original Color
59, 12.920, 319.349

Protanomaly
59, 10.981, 301.166

Deuteranomaly
59, 11.748, 314.012

Tritanomaly
59, 9.629, 324.912

Monochromacy



Original Color
59, 12.920, 319.349

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 5.113, 317.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 12.920, 319.349 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(153, 137, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 137, 157)  
}
```

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(153, 137, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 137, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 12.920, 319.349 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(153, 137, 157) }
```

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

```
.border{ border-color:rgb(153, 137, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 137, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 137, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 137, 157);  
box-shadow:4px 4px 4px 4px rgb(153, 137,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 12.920, 319.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 137, 157) }
```

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

```
.background{ background-color: rgb(153,  
137, 157) }
```

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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