

Converting Colors

CIELCh(59, 29.221, 123.534)

Have a look what the booklet for
CIELCh(59, 29.221, 123.534)
contains.

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Color

CIELCh(59, 29.562, 123.509)

Conversions

Conversions Part 1

Format	Color
Hex	819562
RGB	129, 149, 98
RGB Percent	51%, 58%, 38%
CMY	0.4943, 0.4158, 0.6158
CMYK	0.13, 0.00, 0.34, 0.42
HSL	84°, 21%, 48%
HSV	84°, 34%, 58%
XYZ	21.9915, 27.0277, 15.6039
YIQ	137.2060, 4.4510, -20.1010

Conversions

Conversions Part 2

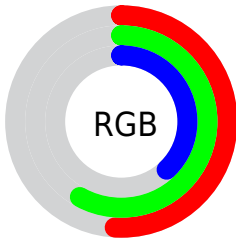
Format	Color
R_{YB}	98, 149, 118
Decimal	8492386
CIE _{Lab}	59.00, -16.32, 24.65
CIE _{LCh}	59, 29.562, 123.509
Yxy	27.0277, 0.3403, 0.4182
Android (android.graphics.Color)	4286682466 (0xFF819562)
YUV	137.2060, -19.3286, -7.1967
Hunter-Lab	51.9882, -15.4722, 18.5963

Details

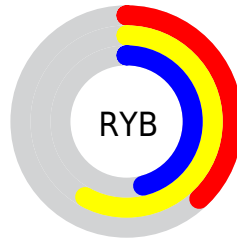
The CIELCh color `59, 29.562, 123.509` is a dark color, and the websafe version is hex `999966`. A complement of this color would be `45, 31.358, 307.163`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `79, 29.639, 123.739`, and `39, 29.161, 123.423` is the 20% darker color. If you saturate the color by 10%, you get `58, 37.893, 123.031`, and if you desaturate by 10%, it is `60, 21.019, 124.019`.

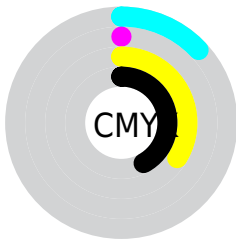
Distribution



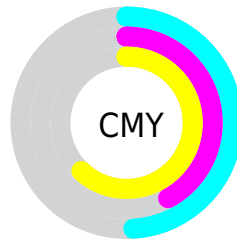
- Red (51%)
- Green (58%)
- Blue (38%)



- Red (38%)
- Yellow (58%)
- Blue (46%)



- Cyan (13%)
- Magenta (0%)
- Yellow (34%)
- Black (42%)





- Cyan (49%)
- Magenta (42%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 29.562, 123.509 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, 29.562, 123.509 by changing the saturation by 10% instead.


 59, 29.562,
123.509


 59, 29.562,
123.509


 100, 29.562,
123.509


 49, 29.562,
123.509


 79, 29.562,
123.509

 39, 29.562,
123.509

 89, 29.562,
123.509

 29, 29.562,
123.509

 99, 29.562,
123.509

 19, 29.562,
123.509

 9, 29.562, 123.509

 0, 29.562, 123.509

■ 59, 29.562,
123.509

■ 59, 29.562,
123.509

■ 58, 37.893,
123.031

■ 60, 21.019,
124.019

■ 58, 45.855,
122.620

■ 60, 12.364,
124.529

■ 57, 53.227,
122.343

■ 61, 3.673, 125.034

■ 57, 59.705,
122.287

■ 62, 5.005, 305.470

■ 56, 64.929,
122.564

■ 63, 13.632,
305.915

■ 56, 68.596,
123.276

■ 64, 22.183,
306.321

■ 56, 70.354,
123.752

■ 65, 30.637,
306.694

■ 66, 38.981,
307.033

■ 67, 47.206,
307.343

Harmonies

Complementary

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



59, 29.562, 123.509



45, 31.358, 307.163

Rectangle

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



59, 29.562, 123.509



59, 29.562, 173.509



59, 29.562, 303.509



59, 29.562, 353.509

Sweetspot

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



59, 29.563, 123.511



77, 10.761, 124.732



52, 18.094, 58.728



40, 7.321, 124.668



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



59, 29.563, 123.511



74, 43.626, 123.142



57, 33.977, 139.231



31, 4.876, 124.783



52, 66.377, 123.638



2, 4.274, 125.217

Inverse Universe

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



45, 31.358, 307.163



54, 46.989, 307.675



48, 34.235, 322.815



29, 4.954, 305.666



18, 80.489, 309.984



0, 4.275, 305.215

Previews

White Background



This preview shows how the CIELCh color 59, 29.562, 123.509 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, 29.562, 123.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

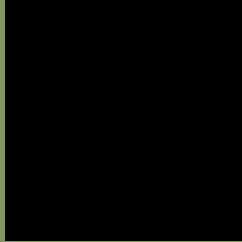
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 29.562, 123.509

Background



This preview shows how black text looks on a background with the CIELCh color 59, 29.562, 123.509.



This preview shows how white text looks on a background with the CIELCh color 59, 29.562, 123.509.

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](#).

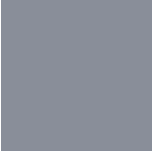
Dichromacy



Original Color
59, 29.562, 123.509

Protanopia
59, 26.811, 95.774

Deuteranopia
59, 24.488, 72.787



Tritanopia
59, 6.474, 274.109

Trichromacy



Original Color
59, 29.562, 123.509

Protanomaly
59, 27.257, 107.009

Deuteranomaly
59, 23.714, 93.675

Tritanomaly
59, 8.084, 141.785

Monochromacy



Original Color
59, 29.562, 123.509

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 10.593, 124.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 29.562, 123.509 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(129, 149, 98)` looks like.

```
.text, #text, p{  
    color:rgb(129, 149, 98)  
}
```

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(129, 149, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 149, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 29.562, 123.509 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(129, 149, 98) }
```

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

```
.border{ border-color:rgb(129, 149, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 149, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 149, 98); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 149, 98); box-shadow:4px 4px 4px 4px rgb(129, 149, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 29.562, 123.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 149, 98) }
```

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

```
.background{ background-color: rgb(129,  
149, 98) }
```

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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