

Converting Colors

CIELCh(59, 33.235, 146.390)

Have a look what the booklet for
CIELCh(59, 33.235, 146.390)
contains.

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Color

CIELCh(59, 33.017, 146.741)

Conversions

Conversions Part 1

Format	Color
Hex	649A6D
RGB	100, 154, 109
RGB Percent	39%, 60%, 43%
CMY	0.6069, 0.3951, 0.5716
CMYK	0.35, 0.00, 0.29, 0.40
HSL	130°, 21%, 50%
HSV	130°, 35%, 60%
XYZ	19.6534, 27.0277, 18.7163
YIQ	132.7240, -17.7390, -25.4430

Conversions

Conversions Part 2

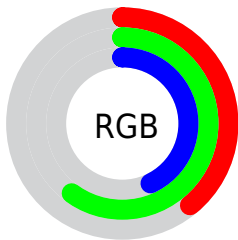
Format	Color
RYB	100, 146, 154
Decimal	6593133
CIELab	59.00, -27.61, 18.11
CIELCh	59, 33.017, 146.741
Yxy	27.0277, 0.3005, 0.4133
Android (android.graphics.Color)	4284783213 (0xFF649A6D)
YUV	132.7240, -11.6959, -28.6989
Hunter-Lab	51.9882, -23.5001, 15.0467

Details

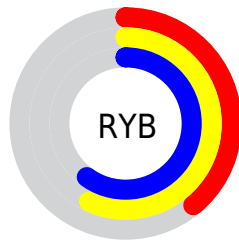
The CIELCh color $59, 33.017, 146.741$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $50, 33.096, 331.519$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $79, 32.993, 146.692$, and $39, 32.716, 146.705$ is the 20% darker color. If you saturate the color by 10%, you get $58, 42.115, 145.698$, and if you desaturate by 10%, it is $60, 23.647, 147.647$.

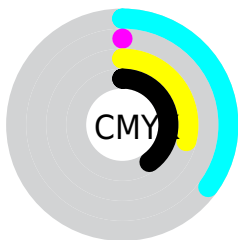
Distribution



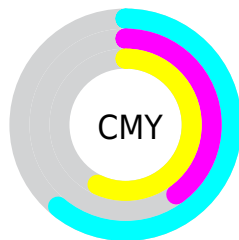
- Red (39%)
- Green (60%)
- Blue (43%)



- Red (39%)
- Yellow (57%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (40%)





- Cyan (61%)
- Magenta (40%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 33.017, 146.741 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, 33.017, 146.741 by changing the saturation by 10% instead.


 59, 33.017,
146.741


 59, 33.017,
146.741


 100, 33.017,
146.741


 49, 33.017,
146.741


 79, 33.017,
146.741

 39, 33.017,
146.741


 89, 33.017,
146.741

 29, 33.017,
146.741

 99, 33.017,
146.741

 19, 33.017,
146.741

 9, 33.017, 146.741

 0, 33.017, 146.741

■ 59, 33.017,
146.741

■ 59, 33.017,
146.741

■ 58, 42.115,
145.698

■ 60, 23.647,
147.647

■ 57, 50.745,
144.507

■ 61, 14.164,
148.432

■ 57, 58.697,
143.172

■ 63, 4.699, 149.138

■ 65, 4.647, 329.611

■ 56, 65.750,
141.717

■ 66, 13.804,
330.148

■ 56, 71.691,
140.200

■ 68, 22.724,
330.592

■ 55, 76.337,
138.720

■ 70, 31.379,
330.978

■ 55, 78.222,
138.120

■ 72, 39.754,
331.317

■ 74, 47.847,
331.617

Harmonies

Complementary

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



59, 33.017, 146.741



50, 33.096, 331.519

Rectangle

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



59, 33.017, 146.741



59, 33.017, 196.741



59, 33.017, 326.741



59, 33.017, 16.741

Sweetspot

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



59, 33.018, 146.741



79, 12.874, 148.704



62, 29.895, 113.506



42, 8.725, 148.616



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, 33.018, 146.741



74, 48.950, 145.937



60, 22.653, 169.142



32, 5.279, 148.844



51, 72.739, 138.252



3, 5.698, 149.296

Inverse Universe

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



50, 33.096, 331.519



61, 48.964, 332.020



49, 24.631, 356.403



30, 5.294, 329.902



32, 65.226, 335.979



1, 5.634, 329.832

Previews

White Background



This preview shows how the CIELCh color 59, 33.017, 146.741 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, 33.017, 146.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

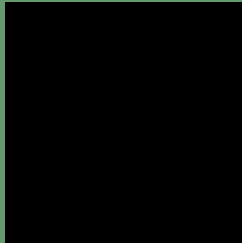
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 33.017, 146.741

Background



This preview shows how black text looks on a background with the CIELCh color 59, 33.017, 146.741.



This preview shows how white text looks on a background with the CIELCh color 59, 33.017, 146.741.

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, 33.017, 146.741

Protanopia
59, 21.881, 95.129

Deuteranopia
59, 18.131, 65.428



Tritanopia
59, 14.591, 226.322

Trichromacy



Original Color
59, 33.017, 146.741

Protanomaly
59, 23.576, 120.898

Deuteranomaly
58, 17.442, 110.892

Tritanomaly
59, 16.749, 182.062

Monochromacy



Original Color
59, 33.017, 146.741

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 12.577, 147.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 33.017, 146.741 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(100, 154, 109)` looks like.

```
.text, #text, p{  
    color:rgb(100, 154, 109)  
}
```

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(100, 154, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 154, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 33.017, 146.741 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(100, 154, 109) }
```

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

```
.border{ border-color:rgb(100, 154, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 154, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 154, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 154, 109);  
box-shadow:4px 4px 4px 4px rgb(100, 154,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 33.017, 146.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 154, 109) }
```

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

```
.background{ background-color: rgb(100,  
154, 109) }
```

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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