

Converting Colors

CIELCh(59, 29.967, 163.894)

Have a look what the booklet for
CIELCh(59, 29.967, 163.894)
contains.

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Color

CIELCh(59, 29.721, 164.495)

Conversions

Conversions Part 1

Format	Color
Hex	569B7F
RGB	86, 155, 127
RGB Percent	34%, 61%, 50%
CMY	0.6620, 0.3914, 0.5013
CMYK	0.44, 0.00, 0.18, 0.39
HSL	156°, 29%, 47%
HSV	156°, 44%, 61%
XYZ	19.4486, 27.0277, 24.3306
YIQ	131.1770, -32.1360, -23.3360

Conversions

Conversions Part 2

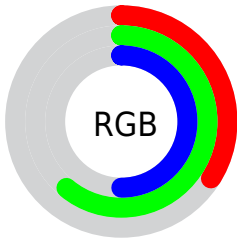
Format	Color
RYB	86, 129, 155
Decimal	5675903
CIELab	59.00, -28.64, 7.95
CIELCh	59, 29.721, 164.495
Yxy	27.0277, 0.2747, 0.3817
Android (android.graphics.Color)	4283865983 (0xFF569B7F)
YUV	131.1770, -2.0593, -39.6202
Hunter-Lab	51.9882, -24.2032, 8.6439

Details

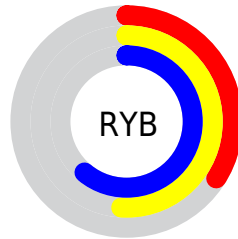
The CIELCh color $59, 29.721, 164.495$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 32.271, 354.042$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $79, 29.777, 164.712$, and $39, 29.574, 164.759$ is the 20% darker color. If you saturate the color by 10%, you get $58, 35.605, 163.140$, and if you desaturate by 10%, it is $60, 23.420, 165.706$.

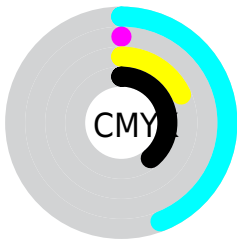
Distribution



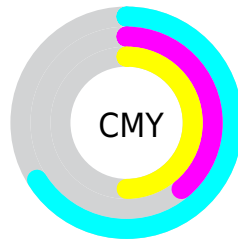
- Red (34%)
- Green (61%)
- Blue (50%)



- Red (34%)
- Yellow (51%)
- Blue (61%)



- Cyan (44%)
- Magenta (0%)
- Yellow (18%)
- Black (39%)



- Cyan (66%)
- Magenta (39%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 29.721, 164.495 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, 29.721, 164.495 by changing the saturation by 10% instead.

 59, 29.721,
164.495

 59, 29.721,
164.495

 100, 29.721,
164.495

 49, 29.721,
164.495

 79, 29.721,
164.495

 39, 29.721,
164.495

 89, 29.721,
164.495

 29, 29.721,
164.495

 99, 29.721,
164.495

 19, 29.721,
164.495

 9, 29.721, 164.495

 0, 29.721, 164.495

■ 59, 29.721,
164.495

■ 59, 29.721,
164.495

■ 58, 35.605,
163.140

■ 60, 23.420,
165.706

■ 58, 40.966,
161.620

■ 61, 16.812,
166.801

■ 57, 45.721,
159.913

■ 62, 10.004,
167.803

■ 57, 49.826,
158.005

■ 63, 3.093, 168.789

■ 56, 53.297,
155.898

■ 65, 3.842, 349.409

■ 56, 55.085,
154.743

■ 66, 10.735,
350.245

■ 68, 17.539,
350.982

■ 70, 24.218,
351.669

■ 72, 30.749,
352.316

Harmonies

Complementary

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



59, 29.721, 164.495



45, 32.271, 354.042

Rectangle

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



59, 29.721, 164.495



59, 29.721, 214.495



59, 29.721, 344.495



59, 29.721, 34.495

Sweetspot

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



59, 29.722, 164.494



79, 11.125, 167.921



60, 41.383, 129.901



42, 7.840, 167.719



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, 29.722, 164.494



74, 42.901, 163.202



58, 20.965, 206.627



32, 3.870, 168.308



51, 50.951, 154.964



3, 4.226, 168.456

Inverse Universe

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



45, 32.271, 354.042



54, 47.211, 355.665



46, 29.052, 29.764



30, 3.939, 349.809



29, 54.208, 9.831



1, 4.182, 349.466

Previews

White Background



This preview shows how the CIELCh color 59, 29.721, 164.495 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 CIE LCh color 59, 29.721, 164.495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

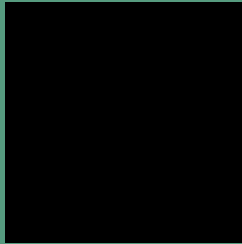
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

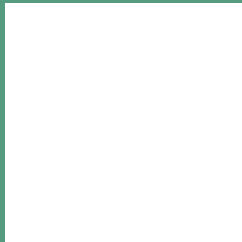
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 59, 29.721, 164.495

Background



This preview shows how black text looks on a background with the CIELCh color 59, 29.721, 164.495.

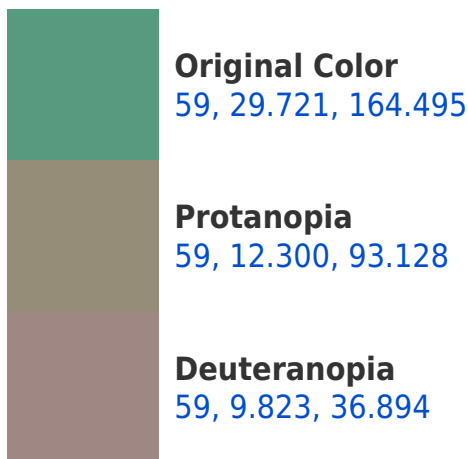


This preview shows how white text looks on a background with the CIELCh color 59, 29.721, 164.495.

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





Tritanopia
59, 19.149, 218.893

Trichromacy



Original Color
59, 29.721, 164.495

Protanomaly
58, 15.307, 140.064

Deuteranomaly
58, 8.392, 137.507

Tritanomaly
59, 20.693, 192.769

Monochromacy



Original Color
59, 29.721, 164.495

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 11.287, 167.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 29.721, 164.495 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(86, 155, 127)` looks like.

```
.text, #text, p{  
    color:rgb(86, 155, 127)  
}
```

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(86, 155, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 155, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 29.721, 164.495 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(86, 155, 127) }
```

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

```
.border{ border-color:rgb(86, 155, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 155, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 155, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 155, 127);  
box-shadow:4px 4px 4px 4px rgb(86, 155,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 29.721, 164.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 155, 127) }
```

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

```
.background{ background-color: rgb(86, 155,  
127) }
```

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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