

Converting Colors

CIELCh(58, 21.240, 168.237)

Have a look what the booklet for
CIELCh(58, 21.240, 168.237)
contains.

CIELCh(58, 21.031, 168.280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 21.031, 168.280)

Conversions

Conversions Part 1

Format	Color
Hex	649583
RGB	100, 149, 131
RGB Percent	39%, 58%, 51%
CMY	0.6067, 0.4145, 0.4851
CMYK	0.33, 0.00, 0.12, 0.41
HSL	158°, 20%, 49%
HSV	158°, 33%, 59%
XYZ	20.1979, 25.9610, 25.5217
YIQ	132.2970, -23.4260, -15.9860

Conversions

Conversions Part 2

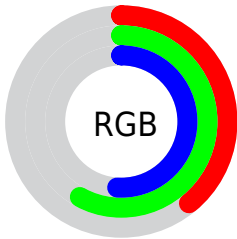
Format	Color
R_{YB}	100, 130, 149
Decimal	6591875
CIE _{Lab}	58.00, -20.59, 4.27
CIE _{LCh}	58, 21.031, 168.280
Yxy	25.9610, 0.2818, 0.3622
Android (android.graphics.Color)	4284781955 (0xFF649583)
YUV	132.2970, -0.6394, -28.3245
Hunter-Lab	50.9519, -18.4064, 5.9681

Details

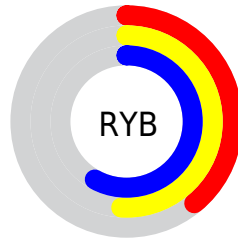
The CIELCh color $58, 21.031, 168.280$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $48, 22.618, 354.911$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 20.942, 168.734$, and $38, 21.034, 168.816$ is the 20% darker color. If you saturate the color by 10%, you get $57, 26.966, 167.094$, and if you desaturate by 10%, it is $59, 14.803, 169.356$.

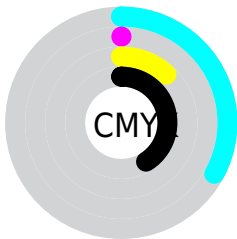
Distribution



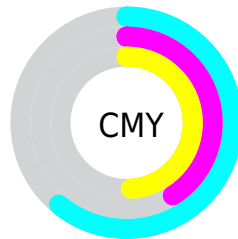
- Red (39%)
- Green (58%)
- Blue (51%)



- Red (39%)
- Yellow (51%)
- Blue (58%)



- Cyan (33%)
- Magenta (0%)
- Yellow (12%)
- Black (41%)





- Cyan (61%)
- Magenta (41%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 21.031, 168.280 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 58, 21.031, 168.280 by changing the saturation by 10% instead.


 58, 21.031,
168.280


 58, 21.031,
168.280


 100, 21.031,
168.280


 48, 21.031,
168.280


 78, 21.031,
168.280

 38, 21.031,
168.280


 88, 21.031,
168.280

 28, 21.031,
168.280

 98, 21.031,
168.280

 18, 21.031,
168.280

 8, 21.031, 168.280

 0, 21.031, 168.280

■ 58, 21.031,
168.280

■ 58, 21.031,
168.280

■ 57, 26.966,
167.094

■ 59, 14.803,
169.356

■ 56, 32.500,
165.780

■ 60, 8.379, 170.354

■ 61, 1.850, 171.411

■ 56, 37.535,
164.312

■ 63, 4.710, 351.975

■ 55, 41.991,
162.668

■ 64, 11.240,
352.805

■ 55, 45.823,
160.831

■ 66, 17.694,
353.556

■ 55, 49.035,
158.794

■ 68, 24.041,
354.261

■ 54, 51.120,
157.314

■ 69, 30.255,
354.929

■ 71, 36.325,
355.564

Harmonies

Complementary

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



58, 21.031, 168.280



48, 22.618, 354.911

Rectangle

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



58, 21.031, 168.280



58, 21.031, 218.280



58, 21.031, 348.280



58, 21.031, 38.280

Sweetspot

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



58, 21.032, 168.278



77, 8.090, 170.609



58, 30.100, 131.564



40, 5.500, 170.486



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 21.032, 168.278



73, 30.554, 167.467



57, 15.372, 210.404



31, 3.667, 170.708



50, 48.043, 157.493



2, 3.224, 171.467

Inverse Universe

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



48, 22.618, 354.911



59, 33.370, 355.892



49, 19.345, 31.440



29, 3.743, 352.227



28, 53.830, 13.377



1, 3.225, 351.455

Previews

White Background



This preview shows how the CIELCh color 58, 21.031, 168.280 looks on a white background.

Color Contrast Check

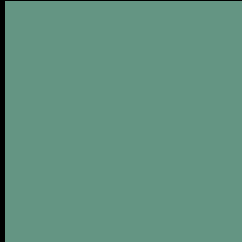
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 21.031, 168.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

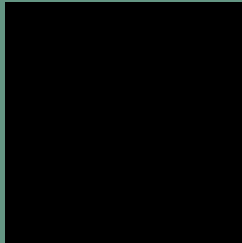
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 21.031, 168.280

Background



This preview shows how black text looks on a background with the CIELCh color 58, 21.031, 168.280.



This preview shows how white text looks on a background with the CIELCh color 58, 21.031, 168.280.

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
58, 21.031, 168.280

Protanopia
58, 7.756, 90.895

Deuteranopia
58, 8.061, 20.191



Tritanopia
58, 14.976, 223.117

Trichromacy



Original Color
58, 21.031, 168.280

Protanomaly
58, 10.214, 142.106

Deuteranomaly
58, 4.645, 140.299

Tritanomaly
58, 15.255, 200.161

Monochromacy



Original Color
58, 21.031, 168.280

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 8.095, 169.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 21.031, 168.280 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, 149, 131)` looks like.

```
.text, #text, p{  
    color:rgb(100, 149, 131)  
}
```

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, 149, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 149, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 21.031, 168.280 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, 149, 131) }
```

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

```
.border{ border-color:rgb(100, 149, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 149, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 149, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 149, 131);  
box-shadow:4px 4px 4px 4px rgb(100, 149,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 21.031, 168.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 149, 131) }
```

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

```
.background{ background-color: rgb(100,  
149, 131) }
```

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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