

Converting Colors

CIELCh(60, 22.284, 223.781)

Have a look what the booklet for
CIELCh(60, 22.284, 223.781)
contains.

CIELCh(60, 22.231, 223.625)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(60, 22.231, 223.625)

Conversions

Conversions Part 1

Format	Color
Hex	599AAB
RGB	89, 154, 171
RGB Percent	35%, 60%, 67%
CMY	0.6515, 0.3966, 0.3299
CMYK	0.48, 0.10, 0.00, 0.33
HSL	192°, 33%, 51%
HSV	192°, 48%, 67%
XYZ	22.9814, 28.1233, 42.6823
YIQ	136.5030, -44.1970, -8.4930

Conversions

Conversions Part 2

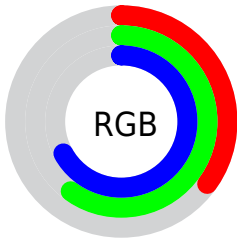
Format	Color
R_{YB}	89, 125, 171
Decimal	5872299
CIE _{Lab}	60.00, -16.09, -15.34
CIE _{LCh}	60, 22.231, 223.625
Yxy	28.1233, 0.2450, 0.2999
Android (android.graphics.Color)	4284062379 (0xFF599AAB)
YUV	136.5030, 17.0070, -41.6601
Hunter-Lab	53.0314, -15.4512, -10.5975

Details

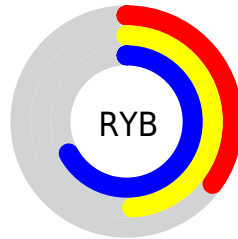
The CIELCh color `60, 22.231, 223.625` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `51, 31.597, 40.367`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 22.072, 224.091`, and `40, 22.298, 223.503` is the 20% darker color. If you saturate the color by 10%, you get `58, 25.487, 225.113`, and if you desaturate by 10%, it is `62, 18.406, 222.492`.

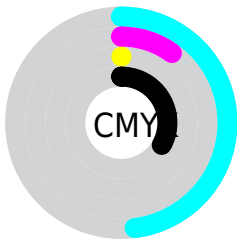
Distribution



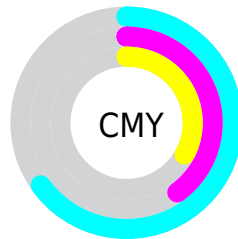
- Red (35%)
- Green (60%)
- Blue (67%)



- Red (35%)
- Yellow (49%)
- Blue (67%)



- Cyan (48%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)





- Cyan (65%)
- Magenta (40%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 22.231, 223.625 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 60, 22.231, 223.625 by changing the saturation by 10% instead.

 60, 22.231,
223.625


 60, 22.231,
223.625


 100, 22.231,
223.625


 50, 22.231,
223.625


 80, 22.231,
223.625

 40, 22.231,
223.625

 90, 22.231,
223.625

 30, 22.231,
223.625

 20, 22.231,
223.625

 10, 22.231,
223.625

 0, 22.231, 223.625

 60, 22.231,

 60, 22.231,

223.625

■ 58, 25.487,
225.113

■ 57, 28.124,
227.042

■ 55, 30.126,
229.491

■ 54, 31.528,
232.536

■ 53, 32.470,
236.155

■ 52, 32.655,
236.893

223.625

■ 62, 18.406,
222.492

■ 64, 14.084,
221.654

■ 66, 9.343, 221.054

■ 68, 4.260, 220.679

■ 70, 1.094, 39.832

■ 73, 6.656, 40.016

■ 75, 12.373, 39.950

■ 78, 18.202, 39.929

■ 80, 24.106, 39.952

Harmonies

Complementary

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



60, 22.231, 223.625



51, 31.597, 40.367

Rectangle

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



60, 22.231, 223.625



60, 22.231, 273.625



60, 22.231, 43.625



60, 22.231, 93.625

Sweetspot

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



60, 22.231, 223.623



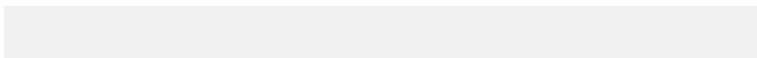
85, 9.086, 220.885



64, 47.435, 146.386



45, 6.287, 220.976



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



60, 22.231, 223.623



74, 31.338, 225.292



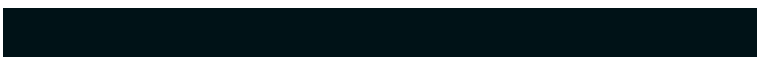
48, 34.236, 281.992



36, 3.045, 220.712



46, 29.701, 236.436



5, 6.415, 229.277

Inverse Universe

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



50, 47.181, 333.954



59, 68.560, 334.772



62, 33.724, 87.570



34, 5.706, 331.327



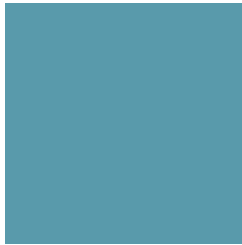
34, 66.562, 338.400



2, 11.360, 333.545

Previews

White Background



This preview shows how the CIELCh color 60, 22.231, 223.625 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 60, 22.231, 223.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

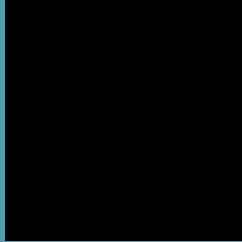
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 22.231, 223.625

Background



This preview shows how black text looks on a background with the CIELCh color 60, 22.231, 223.625.



This preview shows how white text looks on a background with the CIELCh color 60, 22.231, 223.625.

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

60, 22.231, 223.625

Protanopia

60, 11.884, 287.998

Deuteranopia

60, 18.710, 294.430



Tritanopia
60, 22.134, 215.645

Trichromacy



Original Color
60, 22.231, 223.625

Protanomaly
60, 14.023, 252.997

Deuteranomaly
60, 16.915, 264.106

Tritanomaly
60, 22.216, 217.145

Monochromacy



Original Color
60, 22.231, 223.625

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 9.330, 220.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 22.231, 223.625 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(89, 154, 171)` looks like.

```
.text, #text, p{  
    color:rgb(89, 154, 171)  
}
```

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(89, 154, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 154, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 22.231, 223.625 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(89, 154, 171) }
```

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

```
.border{ border-color:rgb(89, 154, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 154, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 154, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 154, 171);  
box-shadow:4px 4px 4px 4px rgb(89, 154,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 22.231, 223.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 154, 171) }
```

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

```
.background{ background-color: rgb(89, 154,  
171) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor