

Converting Colors

CIELCh(64, 23.166, 169.679)

Have a look what the booklet for
CIELCh(64, 23.166, 169.679)
contains.

CIELCh(64, 23.026, 169.969)	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(64, 23.026, 169.969)

Conversions

Conversions Part 1

Format	Color
Hex	6EA693
RGB	110, 166, 147
RGB Percent	43%, 65%, 58%
CMY	0.5677, 0.3481, 0.4226
CMYK	0.34, 0.00, 0.11, 0.35
HSL	160°, 24%, 54%
HSV	160°, 34%, 65%
XYZ	25.4224, 32.8017, 32.6896
YIQ	147.0900, -27.2770, -17.7810

Conversions

Conversions Part 2

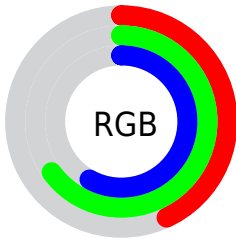
Format	Color
RYB	110, 144, 166
Decimal	7251603
CIELab	64.00, -22.67, 4.01
CIELCh	64, 23.026, 169.969
Yxy	32.8017, 0.2796, 0.3608
Android (android.graphics.Color)	4285441683 (0xFF6EA693)
YUV	147.0900, -0.0444, -32.5279
Hunter-Lab	57.2727, -20.9941, 6.2499

Details

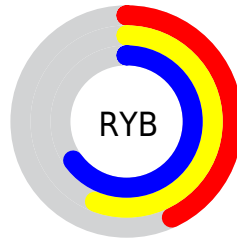
The CIELCh color $64, 23.026, 169.969$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $53, 25.059, 356.973$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 22.940, 170.379$, and $44, 23.343, 169.210$ is the 20% darker color. If you saturate the color by 10%, you get $63, 29.276, 168.765$, and if you desaturate by 10%, it is $65, 16.424, 171.064$.

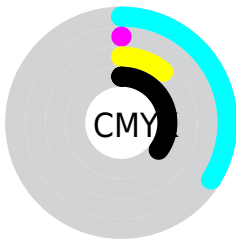
Distribution



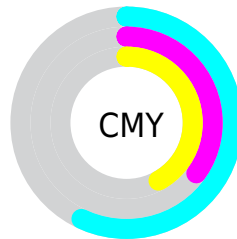
- Red (43%)
- Green (65%)
- Blue (58%)



- Red (43%)
- Yellow (56%)
- Blue (65%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (35%)



- Cyan (57%)
- Magenta (35%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 23.026, 169.969 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 64, 23.026, 169.969 by changing the saturation by 10% instead.

 64, 23.026,
169.969


 64, 23.026,
169.969


 100, 23.026,
169.969


 54, 23.026,
169.969


 84, 23.026,
169.969

 44, 23.026,
169.969

 94, 23.026,
169.969

 34, 23.026,
169.969

 24, 23.026,
169.969

 14, 23.026,
169.969

 4, 23.026, 169.969

 0, 23.026, 169.969

■ 64, 23.026,
169.969

■ 64, 23.026,
169.969

■ 63, 29.276,
168.765

■ 65, 16.424,
171.064

■ 62, 35.058,
167.434

■ 66, 9.580, 172.081

■ 68, 2.593, 173.119

■ 62, 40.267,
165.950

■ 69, 4.451, 353.734

■ 61, 44.822,
164.289

■ 71, 11.482,
354.598

■ 61, 48.683,
162.433

■ 72, 18.448,
355.376

■ 60, 51.869,
160.378

■ 74, 25.310,
356.106

■ 60, 53.680,
159.060

■ 76, 32.040,
356.800

■ 78, 37.001,
356.003

Harmonies

Complementary

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



64, 23.026, 169.969



53, 25.059, 356.973

Rectangle

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



64, 23.026, 169.969



64, 23.026, 219.969



64, 23.026, 349.969



64, 23.026, 39.969

Sweetspot

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



64, 23.027, 169.967



85, 8.701, 172.427



64, 34.038, 132.578



45, 5.980, 172.293



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 23.027, 169.967



81, 33.477, 169.132



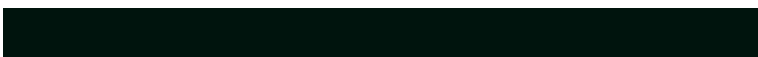
62, 16.736, 214.559



35, 4.010, 172.515



54, 49.070, 159.296



5, 7.729, 168.411

Inverse Universe

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



53, 25.059, 356.973



64, 37.093, 358.029



54, 21.239, 34.505



33, 4.103, 354.086



31, 57.218, 16.399



2, 7.175, 356.506

Previews

White Background



This preview shows how the CIELCh color 64, 23.026, 169.969 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 23.026, 169.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

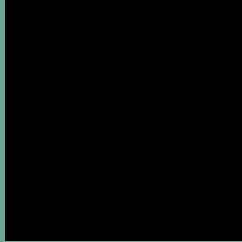
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 23.026, 169.969

Background



This preview shows how black text looks on a background with the CIELCh color 64, 23.026, 169.969.

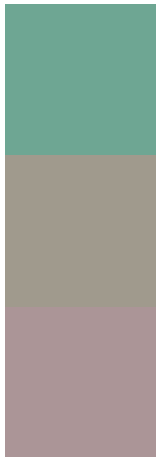


This preview shows how white text looks on a background with the CIELCh color 64, 23.026, 169.969.

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
64, 23.026, 169.969

Protanopia
64, 7.598, 91.042

Deuteranopia
64, 8.727, 12.911



Tritanopia
64, 16.591, 224.355

Trichromacy



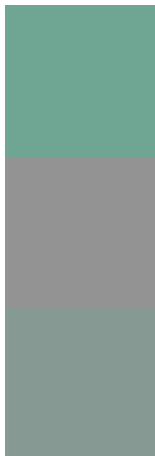
Original Color
64, 23.026, 169.969

Protanomaly
63, 10.458, 145.588

Deuteranomaly
63, 3.637, 149.229

Tritanomaly
64, 16.986, 199.863

Monochromacy



Original Color
64, 23.026, 169.969

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 8.600, 171.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 23.026, 169.969 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(110, 166, 147)` looks like.

```
.text, #text, p{  
    color:rgb(110, 166, 147)  
}
```

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(110, 166, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 166, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 23.026, 169.969 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(110, 166, 147) }
```

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

```
.border{ border-color:rgb(110, 166, 147) }
```

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

Here you see how a box with a 4 pixel rgb(110, 166, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 166, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 166, 147);  
box-shadow:4px 4px 4px 4px rgb(110, 166,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 23.026, 169.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 166, 147) }
```

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

```
.background{ background-color: rgb(110,  
166, 147) }
```

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