

Converting Colors

CIELCh(21, 25.149, 223.092)

Have a look what the booklet for
CIELCh(21, 25.149, 223.092)
contains.

CIELCh(22, 18.085, 234.118)	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>	26

Color

CIELCh(22, 18.085, 234.118)

Conversions

Conversions Part 1

Format	Color
Hex	003A4A
RGB	0, 58, 74
RGB Percent	0%, 23%, 29%
CMY	1.0000, 0.7724, 0.7098
CMYK	1.00, 0.22, 0.00, 0.71
HSL	193°, 100%, 15%
HSV	193°, 100%, 29%
XYZ	2.7337, 3.5154, 7.0131
YIQ	42.4820, -39.7040, -7.3200

Conversions

Conversions Part 2

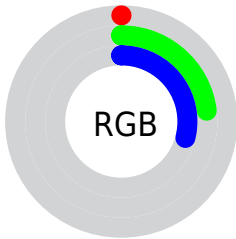
Format	Color
RYB	0, 33, 74
Decimal	14922
CIELab	22.00, -10.60, -14.65
CIELCh	22, 18.085, 234.118
Yxy	3.5154, 0.2061, 0.2651
Android (android.graphics.Color)	4278205002 (0xFF003A4A)
YUV	42.4820, 15.5384, -37.2567
Hunter-Lab	18.7494, -6.7862, -9.0523

Details

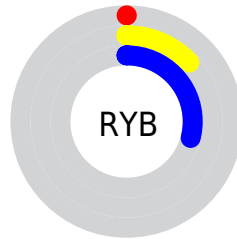
The CIELCh color **22, 18.085, 234.118** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 34.652, 40.062**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 17.952, 235.683**, and **4, 11.244, 268.194** is the 20% darker color. If you saturate the color by 10%, you get **22, 17.935, 234.496**, and if you desaturate by 10%, it is **23, 17.021, 232.122**.

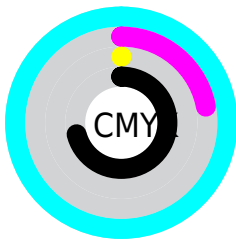
Distribution



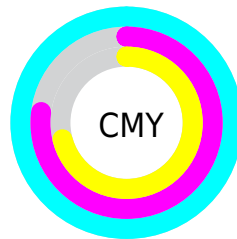
- Red (0%)
- Green (23%)
- Blue (29%)



- Red (0%)
- Yellow (13%)
- Blue (29%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (71%)





- Cyan (100%)
- Magenta (77%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 18.085, 234.118 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 22, 18.085, 234.118 by changing the saturation by 10% instead.

 22, 18.085,
234.118


 22, 18.085,
234.118

 100, 18.085,
234.118


 12, 18.085,
234.118


 42, 18.085,
234.118


 2, 18.085, 234.118

 52, 18.085,
234.118

 0, 18.085, 234.118

 62, 18.085,
234.118

 72, 18.085,
234.118

 82, 18.085,
234.118

 92, 18.085,

234.118

■ 22, 18.085,
234.118

■ 22, 18.085,
234.118

■ 22, 17.935,
234.496

■ 23, 17.021,
232.122

■ 24, 16.107,
229.610

■ 24, 14.934,
227.524

■ 25, 13.477,
225.852

■ 26, 11.748,
224.531

■ 27, 9.772, 223.503

■ 28, 7.577, 222.715

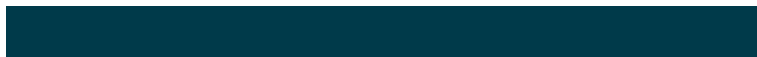
■ 29, 5.196, 222.129

■ 30, 2.661, 221.731

Harmonies

Complementary

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



22, 18.085, 234.118



15, 34.652, 40.062

Rectangle

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



22, 18.085, 234.118



22, 18.085, 284.118



22, 18.085, 54.118



22, 18.085, 104.118

Sweetspot

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



22, 17.935, 234.496



37, 9.439, 222.797



27, 44.088, 140.453



17, 6.311, 222.945



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



22, 17.935, 234.496



29, 21.658, 236.161



10, 37.877, 294.616



15, 1.531, 221.698



31, 22.467, 236.442



68, 41.041, 239.624

Inverse Universe

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



14, 40.635, 337.859



20, 48.616, 338.323



23, 32.893, 81.139



14, 2.851, 331.537



22, 50.348, 338.402



52, 90.135, 339.317

Previews

White Background



This preview shows how the CIE LCh color 22, 18.085, 234.118 looks on a white 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

Black Background



This preview shows how the CIELCh color 22, 18.085, 234.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

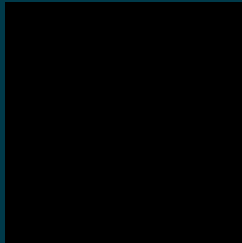
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

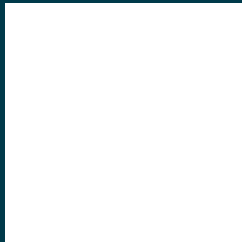
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 18.085, 234.118

Background



This preview shows how black text looks on a background with the CIELCh color 22, 18.085, 234.118.



This preview shows how white text looks on a background with the CIELCh color 22, 18.085, 234.118.

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

22, 17.938, 234.598

Protanopia

22, 11.456, 284.609

Deuteranopia

22, 14.934, 281.694

Trichromacy



Original Color
22, 17.938, 234.598

Protanomaly
22, 13.376, 252.557

Deuteranomaly
22, 15.630, 258.585

Monochromacy



Original Color
22, 17.938, 234.598

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 9.115, 225.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 18.085, 234.118 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(0, 58, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 58, 74)  
}
```

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(0, 58, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 58, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 18.085, 234.118 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(0, 58, 74) }
```

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

```
.border{ border-color:rgb(0, 58, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 58, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 58, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 58, 74); box-shadow:4px  
4px 4px 4px rgb(0, 58, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 18.085, 234.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 58, 74) }
```

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

```
.background{ background-color: rgb(0, 58,  
74) }
```

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