

Converting Colors

CIELCh(22, 17.217, 222.669)

Have a look what the booklet for
CIELCh(22, 17.217, 222.669)
contains.

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Color

CIELCh(22, 17.217, 222.694)

Conversions

Conversions Part 1

Format	Color
Hex	003B46
RGB	0, 59, 70
RGB Percent	0%, 23%, 27%
CMY	1.0000, 0.7704, 0.7273
CMYK	1.00, 0.16, 0.00, 0.73
HSL	189°, 100%, 14%
HSV	189°, 100%, 27%
XYZ	2.6252, 3.5154, 6.2601
YIQ	42.6130, -38.6950, -9.0870

Conversions

Conversions Part 2

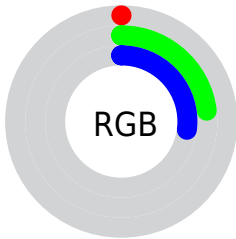
Format	Color
RYB	0, 32, 70
Decimal	15174
CIELab	22.00, -12.65, -11.67
CIELCh	22, 17.217, 222.694
Yxy	3.5154, 0.2117, 0.2835
Android (android.graphics.Color)	4278205254 (0xFF003B46)
YUV	42.6130, 13.5018, -37.3716
Hunter-Lab	18.7494, -7.8192, -6.6713

Details

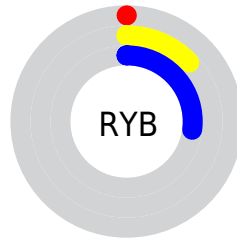
The CIELCh color **22, 17.217, 222.694** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 33.402, 36.282**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 17.099, 223.100**, and **4, 8.879, 258.202** is the 20% darker color. If you saturate the color by 10%, you get **22, 17.140, 222.827**, and if you desaturate by 10%, it is **23, 16.343, 221.263**.

Distribution



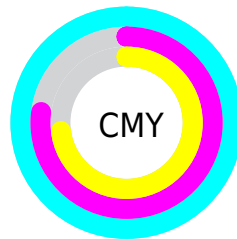
- Red (0%)
- Green (23%)
- Blue (27%)



- Red (0%)
- Yellow (13%)
- Blue (27%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (73%)




- Cyan (100%)
- Magenta (77%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 17.217, 222.694 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, 17.217, 222.694 by changing the saturation by 10% instead.

 22, 17.217,
222.694


 22, 17.217,
222.694


 100, 17.217,
222.694


 12, 17.217,
222.694


 42, 17.217,
222.694


 2, 17.217, 222.694


 52, 17.217,
222.694

 0, 17.217, 222.694

 62, 17.217,
222.694

 72, 17.217,
222.694

 82, 17.217,
222.694

 92, 17.217,

222.694

■ 22, 17.217,
222.694

■ 22, 17.217,
222.694

■ 22, 17.140,
222.827

■ 23, 16.343,
221.263

■ 23, 15.544,
219.586

■ 24, 14.475,
218.205

■ 24, 13.107,
217.129

■ 25, 11.457,
216.312

■ 26, 9.550, 215.710

■ 27, 7.418, 215.288

■ 28, 5.094, 215.018

■ 29, 2.612, 214.898

Harmonies

Complementary

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



22, 17.217, 222.694



13, 33.402, 36.282

Rectangle

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



22, 17.217, 222.694



22, 17.217, 272.694



22, 17.217, 42.694



22, 17.217, 92.694

Sweetspot

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



22, 17.140, 222.827



35, 9.090, 215.328



25, 43.289, 139.459



17, 6.214, 215.403



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



22, 17.140, 222.827



29, 20.276, 223.996



10, 33.197, 291.113



14, 1.492, 214.898



32, 21.853, 224.443



71, 39.869, 226.851

Inverse Universe

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



13, 40.605, 334.800



19, 47.896, 335.095



21, 30.402, 76.669



13, 2.799, 329.530



21, 51.562, 335.208



52, 93.385, 335.824

Previews

White Background



This preview shows how the CIE LCh color 22, 17.217, 222.694 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, 17.217, 222.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

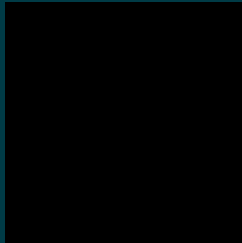
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

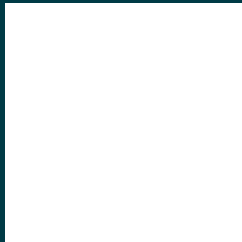
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 17.217, 222.694

Background



This preview shows how black text looks on a background with the CIELCh color 22, 17.217, 222.694.



This preview shows how white text looks on a background with the CIELCh color 22, 17.217, 222.694.

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, 17.217, 222.694

Protanopia

22, 8.112, 283.047

Deuteranopia

22, 12.778, 287.623



Tritanopia
22, 17.054, 208.152

Trichromacy



Original Color
22, 17.217, 222.694

Protanomaly
22, 11.460, 243.501

Deuteranomaly
21, 13.219, 253.756

Tritanomaly
22, 16.999, 213.016

Monochromacy



Original Color
22, 17.217, 222.694

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 8.792, 216.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 17.217, 222.694 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, 59, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 59, 70)  
}
```

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, 59, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 59, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 17.217, 222.694 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, 59, 70) }
```

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

```
.border{ border-color:rgb(0, 59, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 59, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 59, 70); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 59, 70); box-shadow:4px  
4px 4px 4px rgb(0, 59, 70) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 17.217, 222.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 59, 70) }
```

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

```
.background{ background-color: rgb(0, 59,  
70) }
```

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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