

Converting Colors

CIELCh(19, 49.316, 215.781)

Have a look what the booklet for
CIELCh(19, 49.316, 215.781)
contains.

CIELCh(23, 22.379, 255.229)	3
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Color

CIELCh(23, 22.379, 255.229)

Conversions

Conversions Part 1

Format	Color
Hex	003B57
RGB	0, 59, 87
RGB Percent	0%, 23%, 34%
CMY	1.0000, 0.7687, 0.6592
CMYK	1.00, 0.32, 0.00, 0.66
HSL	199°, 100%, 17%
HSV	199°, 100%, 34%
XYZ	3.2566, 3.8003, 9.5564
YIQ	44.5510, -44.1520, -3.8000

Conversions

Conversions Part 2

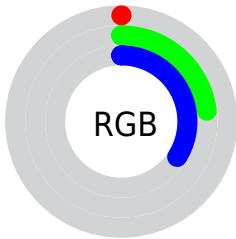
Format	Color
RYB	0, 35, 87
Decimal	15191
CIELab	23.00, -5.71, -21.64
CIELCh	23, 22.379, 255.229
Yxy	3.8003, 0.1960, 0.2288
Android (android.graphics.Color)	4278205271 (0xFF003B57)
YUV	44.5510, 20.9274, -39.0712
Hunter-Lab	19.4944, -4.2959, -15.4186

Details

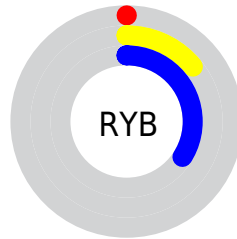
The CIELCh color **23, 22.379, 255.229** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **19, 38.830, 48.085**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 22.364, 255.673**, and **5, 18.868, 279.805** is the 20% darker color. If you saturate the color by 10%, you get **23, 22.267, 255.679**, and if you desaturate by 10%, it is **24, 20.747, 252.073**.

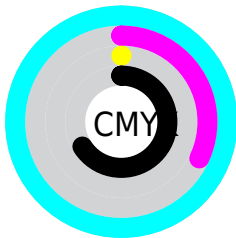
Distribution



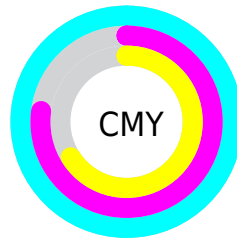
- Red (0%)
- Green (23%)
- Blue (34%)



- Red (0%)
- Yellow (14%)
- Blue (34%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (66%)





- Cyan (100%)
- Magenta (77%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 22.379, 255.229 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 23, 22.379, 255.229 by changing the saturation by 10% instead.

 23, 22.379,
255.229


 23, 22.379,
255.229

 100, 22.379,
255.229


 13, 22.379,
255.229


 43, 22.379,
255.229


 3, 22.379, 255.229

 53, 22.379,
255.229

 0, 22.379, 255.229

 63, 22.379,
255.229

 73, 22.379,
255.229

 83, 22.379,
255.229

 93, 22.379,

255.229

■ 23, 22.379,
255.229

■ 23, 22.379,
255.229

■ 23, 22.267,
255.679

■ 24, 20.747,
252.073

■ 25, 19.245,
248.336

■ 27, 17.549,
245.156

■ 28, 15.628,
242.509

■ 29, 13.480,
240.334

■ 31, 11.115,
238.561

■ 32, 8.558, 237.124

■ 34, 5.835, 235.968

■ 35, 2.975, 235.063

Harmonies

Complementary

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



23, 22.379, 255.229



19, 38.830, 48.085

Rectangle

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



23, 22.379, 255.229



23, 22.379, 305.229



23, 22.379, 75.229



23, 22.379, 125.229

Sweetspot

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



23, 22.267, 255.679



42, 10.542, 237.251



32, 45.991, 143.391



20, 7.070, 237.585



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



23, 22.267, 255.679



30, 27.045, 257.466



9, 50.764, 300.870



17, 1.665, 234.972



29, 26.098, 257.169



62, 48.034, 260.844

Inverse Universe

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



17, 42.193, 344.713



24, 50.157, 345.426



31, 39.568, 90.445



16, 2.941, 335.679



22, 48.578, 345.306



52, 85.277, 346.863

Previews

White Background



This preview shows how the CIE LCh color 23, 22.379, 255.229 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 CIE LCh color 23, 22.379, 255.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

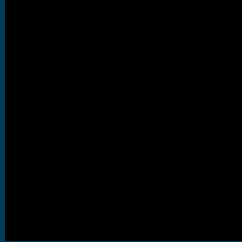
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 22.379, 255.229

Background



This preview shows how black text looks on a background with the CIELCh color 23, 22.379, 255.229.



This preview shows how white text looks on a background with the CIELCh color 23, 22.379, 255.229.

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

23, 22.304, 255.779

Protanopia

23, 18.770, 284.168

Deuteranopia

23, 21.757, 278.841



Tritanopia
23, 17.697, 205.361

Trichromacy



Original Color
23, 22.304, 255.779

Protanomaly
23, 20.050, 268.928

Deuteranomaly
23, 22.191, 268.627

Tritanomaly
23, 17.814, 226.587

Monochromacy



Original Color
23, 22.304, 255.779

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 10.283, 240.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 22.379, 255.229 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 59, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 59, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 22.379, 255.229 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, 87) }
```

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

```
.border{ border-color:rgb(0, 59, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 59, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 59, 87); box-shadow:4px  
4px 4px 4px rgb(0, 59, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 22.379, 255.229 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, 87) }
```

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

```
.background{ background-color: rgb(0, 59,  
87) }
```

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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