

Converting Colors

CIELCh(23, 16.659, 225.511)

Have a look what the booklet for
CIELCh(23, 16.659, 225.511)
contains.

CIELCh(23, 16.562, 226.529)	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(23, 16.562, 226.529)

Conversions

Conversions Part 1

Format	Color
Hex	093C48
RGB	9, 60, 72
RGB Percent	4%, 24%, 28%
CMY	0.9662, 0.7632, 0.7161
CMYK	0.88, 0.17, 0.00, 0.72
HSL	191°, 79%, 16%
HSV	191°, 88%, 28%
XYZ	2.9262, 3.8003, 6.7771
YIQ	46.1190, -34.2480, -7.0800

Conversions

Conversions Part 2

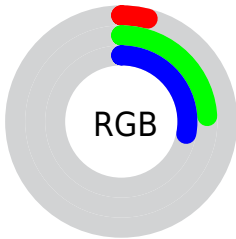
Format	Color
R_{YB}	9, 37, 72
Decimal	605256
CIE _{Lab}	23.00, -11.39, -12.02
CIE _{LCh}	23, 16.562, 226.529
Yxy	3.8003, 0.2167, 0.2814
Android (android.graphics.Color)	4278795336 (0xFF093C48)
YUV	46.1190, 12.7593, -32.5534
Hunter-Lab	19.4944, -7.3211, -6.9658

Details

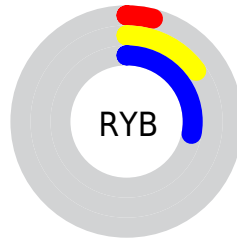
The CIELCh color **23, 16.562, 226.529** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 30.894, 39.114**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 16.312, 226.899**, and **5, 9.584, 255.793** is the 20% darker color. If you saturate the color by 10%, you get **22, 17.391, 228.586**, and if you desaturate by 10%, it is **24, 15.679, 224.444**.

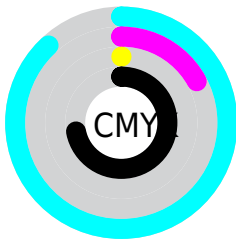
Distribution



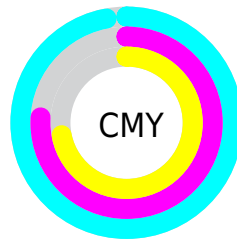
- Red (4%)
- Green (24%)
- Blue (28%)



- Red (4%)
- Yellow (15%)
- Blue (28%)



- Cyan (88%)
- Magenta (17%)
- Yellow (0%)
- Black (72%)





- Cyan (97%)
- Magenta (76%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 16.562, 226.529 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, 16.562, 226.529 by changing the saturation by 10% instead.

 23, 16.562,
226.529


 23, 16.562,
226.529

 100, 16.562,
226.529


 13, 16.562,
226.529


 43, 16.562,
226.529


 3, 16.562, 226.529

 53, 16.562,
226.529

 0, 16.562, 226.529

 63, 16.562,
226.529

 73, 16.562,
226.529

 83, 16.562,
226.529

 93, 16.562,

226.529

■ 23, 16.562,
226.529

■ 23, 16.562,
226.529

■ 22, 17.391,
228.586

■ 24, 15.679,
224.444

■ 22, 17.557,
228.952

■ 24, 14.506,
222.759

■ 25, 13.039,
221.429

■ 26, 11.296,
220.398

■ 27, 9.303, 219.615

■ 28, 7.093, 219.038

■ 29, 4.698, 218.635

■ 30, 2.151, 218.411

■ 31, 0.519, 37.594

Harmonies

Complementary

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



23, 16.562, 226.529



15, 30.894, 39.114

Rectangle

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



23, 16.562, 226.529



23, 16.562, 276.529



23, 16.562, 46.529



23, 16.562, 96.529

Sweetspot

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



23, 16.562, 226.529



37, 8.207, 218.987



26, 40.147, 141.357



18, 5.581, 219.068



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



23, 16.562, 226.529



30, 21.062, 230.409



12, 31.448, 290.363



13, 1.464, 218.415



31, 21.856, 230.667



69, 40.073, 233.567

Inverse Universe

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



15, 37.983, 335.563



20, 48.669, 336.754



23, 29.215, 81.412



13, 2.740, 330.559



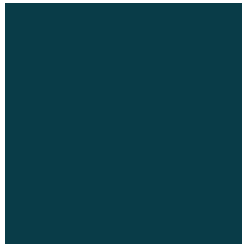
21, 50.448, 336.823



52, 91.238, 337.604

Previews

White Background



This preview shows how the CIE LCh color 23, 16.562, 226.529 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, 16.562, 226.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

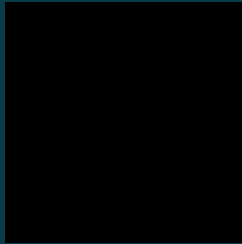
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 16.562, 226.529

Background



This preview shows how black text looks on a background with the CIELCh color 23, 16.562, 226.529.



This preview shows how white text looks on a background with the CIELCh color 23, 16.562, 226.529.

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, 16.447, 226.770

Protanopia

23, 8.722, 283.847

Deuteranopia

23, 13.395, 286.315



Tritanopia
23, 17.435, 207.829

Trichromacy



Original Color
23, 16.447, 226.770

Protanomaly
23, 11.430, 248.391

Deuteranomaly
23, 13.352, 257.757

Tritanomaly
23, 16.964, 213.009

Monochromacy



Original Color
23, 16.447, 226.770

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 8.291, 222.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 16.562, 226.529 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(9, 60, 72)` looks like.

```
.text, #text, p{  
    color:rgb(9, 60, 72)  
}
```

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(9, 60, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 60, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 16.562, 226.529 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(9, 60, 72) }
```

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

```
.border{ border-color:rgb(9, 60, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 60, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 60, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 60, 72); box-shadow:4px  
4px 4px 4px rgb(9, 60, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 16.562, 226.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 60, 72) }
```

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

```
.background{ background-color: rgb(9, 60,  
72) }
```

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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