

Converting Colors

CIELCh(20, 41.561, 198.958)

Have a look what the booklet for
CIELCh(20, 41.561, 198.958)
contains.

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Color

CIELCh(23, 17.390, 210.190)

Conversions

Conversions Part 1	
Format	Color
Hex	013D43
RGB	1, 61, 67
RGB Percent	0%, 24%, 26%
CMY	0.9976, 0.7590, 0.7355
CMYK	0.99, 0.09, 0.00, 0.74
HSL	185°, 98%, 13%
HSV	185°, 99%, 26%
XYZ	2.7272, 3.8003, 5.9714
YIQ	43.7440, -37.6860, -10.8540

Conversions

Conversions Part 2

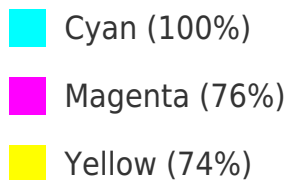
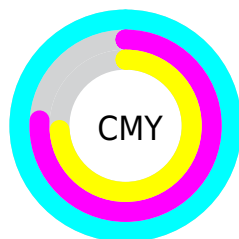
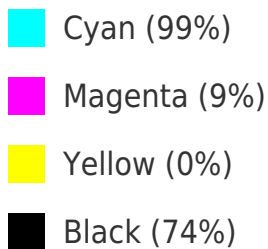
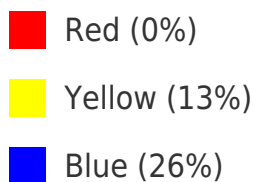
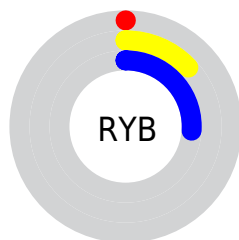
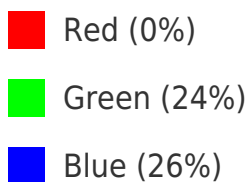
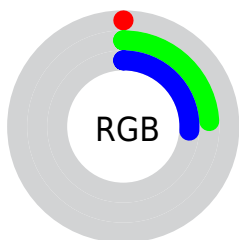
Format	Color
RYB	1, 32, 67
Decimal	81219
CIELab	23.00, -15.03, -8.74
CIELCh	23, 17.390, 210.190
Yxy	3.8003, 0.2182, 0.3041
Android (android.graphics.Color)	4278271299 (0xFF013D43)
YUV	43.7440, 11.4652, -37.4865
Hunter-Lab	19.4944, -9.1437, -4.5152

Details

The CIELCh color **23, 17.390, 210.190** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 33.189, 32.681**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 17.350, 209.671**, and **5, 6.836, 236.261** is the 20% darker color. If you saturate the color by 10%, you get **23, 17.462, 210.250**, and if you desaturate by 10%, it is **23, 16.610, 209.463**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 17.390, 210.190 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, 17.390, 210.190 by changing the saturation by 10% instead.

 23, 17.390,
210.190


 23, 17.390,
210.190

 100, 17.390,
210.190


 13, 17.390,
210.190


 43, 17.390,
210.190


 3, 17.390, 210.190

 53, 17.390,
210.190

 0, 17.390, 210.190

 63, 17.390,
210.190

 73, 17.390,
210.190

 83, 17.390,
210.190

 93, 17.390,

210.190

■ 23, 17.390,
210.190

■ 23, 17.390,
210.190

■ 23, 17.462,
210.250

■ 23, 16.610,
209.463

■ 24, 15.803,
208.692

■ 24, 14.704,
208.095

■ 25, 13.292,
207.675

■ 25, 11.587,
207.408

■ 26, 9.616, 207.272

■ 26, 7.413, 207.249

■ 27, 5.011, 207.326

■ 28, 2.447, 207.515

Harmonies

Complementary

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



23, 17.390, 210.190



12, 33.189, 32.681

Rectangle

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



23, 17.390, 210.190



23, 17.390, 260.190



23, 17.390, 30.190



23, 17.390, 80.190

Sweetspot

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



23, 17.390, 210.189



34, 9.352, 207.246



24, 43.552, 138.173



16, 6.244, 207.246



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 17.390, 210.189



30, 20.629, 210.865



11, 28.591, 285.708



12, 1.477, 207.532



34, 22.259, 211.105



75, 40.820, 212.385

Inverse Universe

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



13, 41.490, 331.661



18, 49.337, 331.846



19, 28.712, 70.402



12, 2.755, 327.363



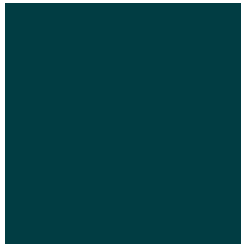
21, 53.244, 331.905



52, 97.701, 332.218

Previews

White Background



This preview shows how the CIELCh color 23, 17.390, 210.190 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, 17.390, 210.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

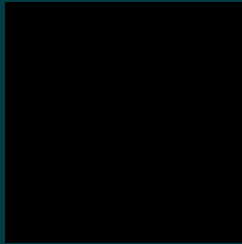
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

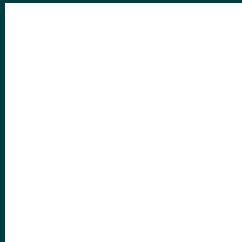
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 17.390, 210.190

Background



This preview shows how black text looks on a background with the CIELCh color 23, 17.390, 210.190.



This preview shows how white text looks on a background with the CIELCh color 23, 17.390, 210.190.

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, 17.250, 210.322

Protanopia

23, 5.343, 286.693

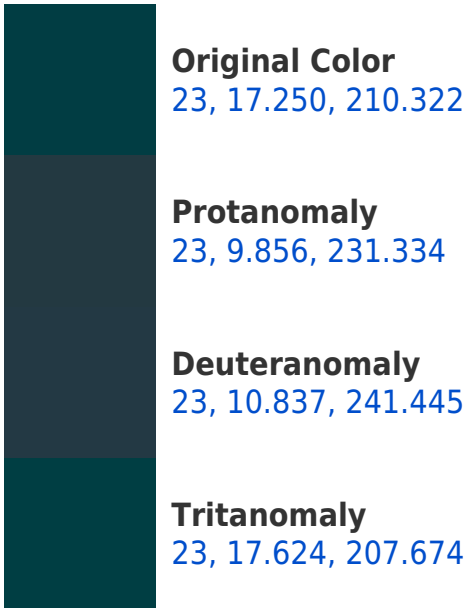
Deuteranopia

23, 10.014, 292.338

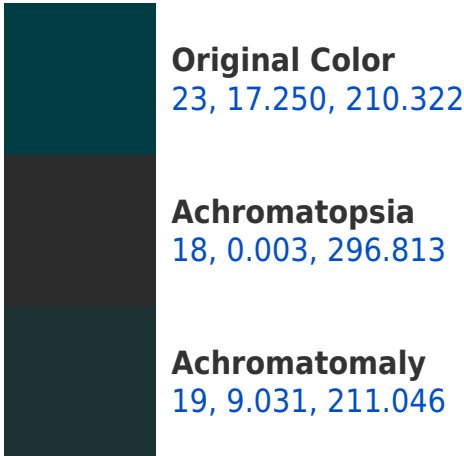


Tritanopia
23, 17.624, 207.674

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 23, 17.390, 210.190 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(1, 61, 67)` looks like.

```
.text, #text, p{  
    color:rgb(1, 61, 67)  
}
```

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(1, 61, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 61, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 17.390, 210.190 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(1, 61, 67) }
```

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

```
.border{ border-color:rgb(1, 61, 67) }
```

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

Here you see how a box with a 4 pixel rgb(1, 61, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 61, 67); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 61, 67); box-shadow:4px  
4px 4px 4px rgb(1, 61, 67) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 17.390, 210.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(1, 61, 67) }
```

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

```
.background{ background-color:rgb(1, 61,  
67) }
```

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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