

Converting Colors

CIELCh(23, 10.999, 173.890)

Have a look what the booklet for
CIELCh(23, 10.999, 173.890)
contains.

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Color

CIELCh(23, 10.692, 175.412)

Conversions

Conversions Part 1

Format	Color
Hex	243B35
RGB	36, 59, 53
RGB Percent	14%, 23%, 21%
CMY	0.8576, 0.7674, 0.7910
CMYK	0.39, 0.00, 0.10, 0.77
HSL	164°, 24%, 19%
HSV	164°, 39%, 23%
XYZ	2.9677, 3.8003, 3.9820
YIQ	51.4390, -11.7820, -6.7420

Conversions

Conversions Part 2

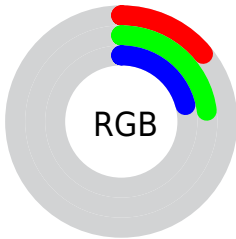
Format	Color
RYB	36, 49, 59
Decimal	2374453
CIELab	23.00, -10.66, 0.86
CIElCh	23, 10.692, 175.412
Yxy	3.8003, 0.2761, 0.3535
Android (android.graphics.Color)	4280564533 (0xFF243B35)
YUV	51.4390, 0.7696, -13.5400
Hunter-Lab	19.4944, -6.9415, 1.5353

Details

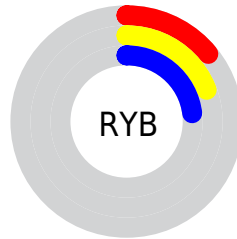
The CIELCh color **23, 10.692, 175.412** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 11.993, 2.578**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 10.540, 174.525**, and **4, 6.679, 160.225** is the 20% darker color. If you saturate the color by 10%, you get **23, 13.161, 174.405**, and if you desaturate by 10%, it is **23, 8.072, 176.348**.

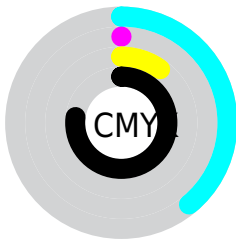
Distribution



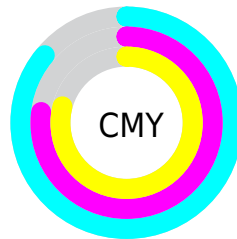
- Red (14%)
- Green (23%)
- Blue (21%)



- Red (14%)
- Yellow (19%)
- Blue (23%)



- Cyan (39%)
- Magenta (0%)
- Yellow (10%)
- Black (77%)





- Cyan (86%)
- Magenta (77%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 10.692, 175.412 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, 10.692, 175.412 by changing the saturation by 10% instead.

 23, 10.692,
175.412


 23, 10.692,
175.412

 100, 10.692,
175.412


 13, 10.692,
175.412


 43, 10.692,
175.412


 3, 10.692, 175.412

 53, 10.692,
175.412

 0, 10.692, 175.412

 63, 10.692,
175.412

 73, 10.692,
175.412

 83, 10.692,
175.412

 93, 10.692,

175.412

■ 23, 10.692,
175.412

■ 23, 10.692,
175.412

■ 23, 13.161,
174.405

■ 23, 8.072, 176.348

■ 24, 5.337, 177.234

■ 22, 15.443,
173.320

■ 24, 2.520, 178.103

■ 22, 17.504,
172.138

■ 25, 0.350, 358.207

■ 22, 19.319,
170.844

■ 26, 3.245, 359.486

■ 26, 6.145, 0.232

■ 22, 20.923,
169.482

■ 27, 9.032, 0.931

■ 21, 22.557,
168.308

■ 28, 11.894, 1.600

■ 21, 22.758,
168.180

■ 29, 14.720, 2.244

Harmonies

Complementary

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



23, 10.692, 175.412



17, 11.993, 2.578

Rectangle

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



23, 10.692, 175.412



23, 10.692, 225.412



23, 10.692, 355.412



23, 10.692, 45.412

Sweetspot

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



23, 10.692, 175.410



32, 4.239, 177.775



23, 17.161, 135.106



15, 2.760, 177.764



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 10.692, 175.410



30, 15.665, 174.372



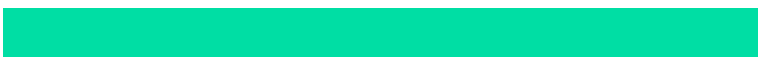
21, 7.913, 225.697



11, 1.633, 178.131



35, 31.804, 166.569



79, 60.760, 164.825

Inverse Universe

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



17, 11.993, 2.578



21, 18.151, 4.064



19, 9.938, 42.614



10, 1.673, 359.316



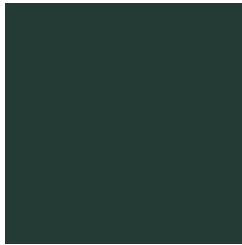
18, 42.212, 20.395



47, 80.969, 25.281

Previews

White Background



This preview shows how the CIELCh color 23, 10.692, 175.412 looks on a white background.

Color Contrast Check

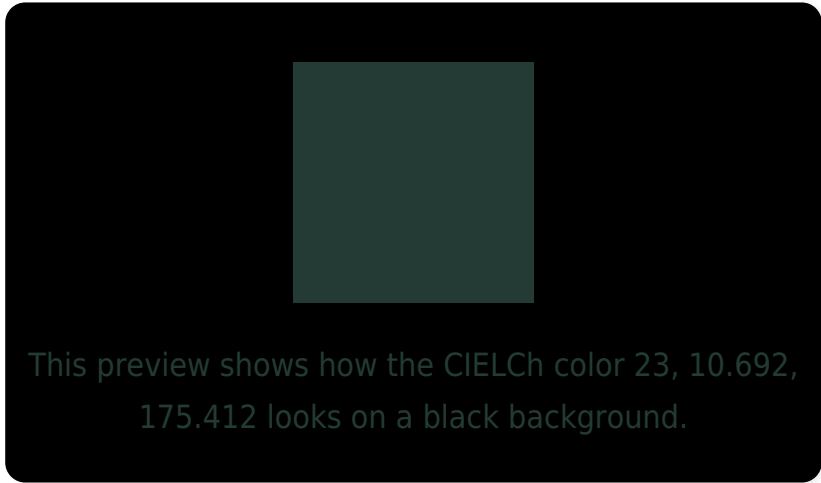
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

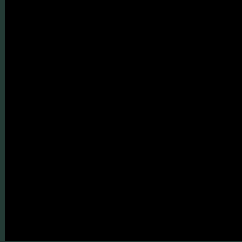
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 10.692, 175.412

Background



This preview shows how black text looks on a background with the CIELCh color 23, 10.692, 175.412.



This preview shows how white text looks on a background with the CIELCh color 23, 10.692, 175.412.

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

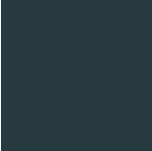
23, 10.692, 175.412

Protanopia

23, 2.813, 89.975

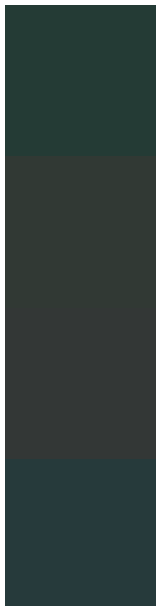
Deuteranopia

23, 3.520, 357.865



Tritanopia
23, 8.243, 222.245

Trichromacy



Original Color
23, 10.692, 175.412

Protanomaly
23, 4.979, 156.600

Deuteranomaly
23, 1.946, 179.060

Tritanomaly
23, 8.272, 202.644

Monochromacy



Original Color
23, 10.692, 175.412

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 4.570, 172.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 10.692, 175.412 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(36, 59, 53)` looks like.

```
.text, #text, p{  
    color:rgb(36, 59, 53)  
}
```

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(36, 59, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 59, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 10.692, 175.412 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(36, 59, 53) }
```

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

```
.border{ border-color:rgb(36, 59, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 59, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 59, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 59, 53);  
box-shadow:4px 4px 4px 4px rgb(36, 59, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 10.692, 175.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 59, 53) }
```

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

```
.background{ background-color: rgb(36, 59,  
53) }
```

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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