

Converting Colors

CIELCh(23, 10.895, 205.235)

Have a look what the booklet for
CIELCh(23, 10.895, 205.235)
contains.

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Color

CIELCh(23, 10.936, 204.644)

Conversions

Conversions Part 1

Format	Color
Hex	1F3B3D
RGB	31, 59, 61
RGB Percent	12%, 23%, 24%
CMY	0.8771, 0.7673, 0.7594
CMYK	0.49, 0.03, 0.00, 0.76
HSL	184°, 32%, 18%
HSV	184°, 49%, 24%
XYZ	3.0085, 3.8003, 5.0381
YIQ	50.8560, -17.3300, -5.3140

Conversions

Conversions Part 2

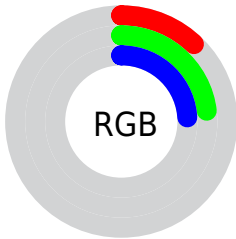
Format	Color
RYB	31, 45, 61
Decimal	2046781
CIELab	23.00, -9.94, -4.56
CIELCh	23, 10.936, 204.644
Yxy	3.8003, 0.2539, 0.3208
Android (android.graphics.Color)	4280236861 (0xFF1F3B3D)
YUV	50.8560, 5.0010, -17.4137
Hunter-Lab	19.4944, -6.5681, -1.6768

Details

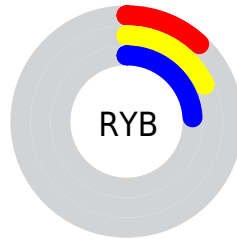
The CIELCh color **23, 10.936, 204.644** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 14.989, 28.378**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 10.994, 204.491**, and **4, 5.245, 212.700** is the 20% darker color. If you saturate the color by 10%, you get **23, 12.573, 204.735**, and if you desaturate by 10%, it is **24, 9.055, 204.650**.

Distribution



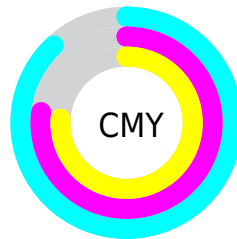
- Red (12%)
- Green (23%)
- Blue (24%)



- Red (12%)
- Yellow (18%)
- Blue (24%)



- Cyan (49%)
- Magenta (3%)
- Yellow (0%)
- Black (76%)





- Cyan (88%)
- Magenta (77%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 10.936, 204.644 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, 10.936, 204.644 by changing the saturation by 10% instead.

 23, 10.936,
204.644


 23, 10.936,
204.644

 100, 10.936,
204.644


 13, 10.936,
204.644


 43, 10.936,
204.644


 3, 10.936, 204.644

 53, 10.936,
204.644

 0, 10.936, 204.644

 63, 10.936,
204.644

 73, 10.936,
204.644

 83, 10.936,
204.644

 93, 10.936,

204.644

■ 23, 10.936,
204.644

■ 23, 10.936,
204.644

■ 23, 12.573,
204.735

■ 24, 9.055, 204.650

■ 24, 6.962, 204.749

■ 22, 13.942,
204.946

■ 25, 4.686, 204.929

■ 22, 15.024,
205.289

■ 25, 2.261, 205.208

■ 22, 15.856,
205.747

■ 26, 0.284, 24.526

■ 27, 2.924, 25.605

■ 21, 16.687,
206.154

■ 28, 5.633, 25.987

■ 21, 16.780,
206.194

■ 28, 8.393, 26.368

Harmonies

Complementary

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



23, 10.936, 204.644



17, 14.989, 28.378

Rectangle

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



23, 10.936, 204.644



23, 10.936, 254.644



23, 10.936, 24.644



23, 10.936, 74.644

Sweetspot

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



23, 10.936, 204.641



32, 4.633, 205.006



23, 23.219, 142.469



16, 3.183, 204.986



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 10.936, 204.641



30, 15.350, 204.779



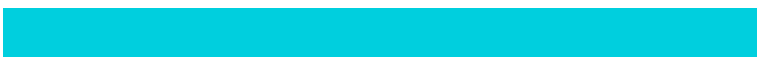
18, 12.268, 268.201



11, 1.408, 205.226



34, 22.337, 206.940



76, 41.389, 207.871

Inverse Universe

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



17, 22.896, 328.671



21, 33.359, 329.246



21, 13.336, 75.076



10, 2.613, 326.667



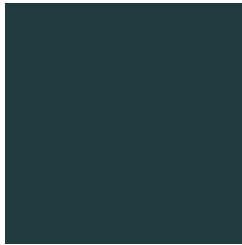
20, 53.171, 330.883



52, 98.666, 331.112

Previews

White Background



This preview shows how the CIE LCh color 23, 10.936, 204.644 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, 10.936, 204.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

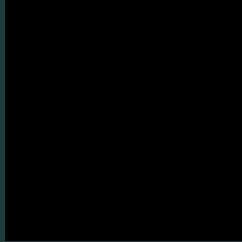
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

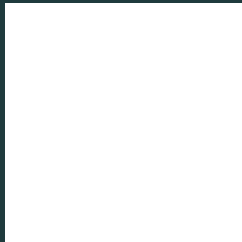
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 10.936, 204.644

Background



This preview shows how black text looks on a background with the CIELCh color 23, 10.936, 204.644.



This preview shows how white text looks on a background with the CIELCh color 23, 10.936, 204.644.

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, 10.936, 204.644

Protanopia

23, 2.720, 300.280

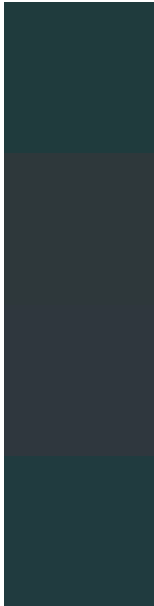
Deuteranopia

23, 6.842, 302.646



Tritanopia
23, 10.733, 216.022

Trichromacy



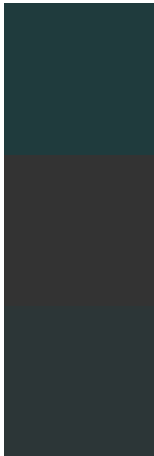
Original Color
23, 10.936, 204.644

Protanomaly
23, 4.697, 224.123

Deuteranomaly
23, 5.693, 254.694

Tritanomaly
23, 10.655, 212.344

Monochromacy



Original Color
23, 10.936, 204.644

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 4.419, 207.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 10.936, 204.644 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(31, 59, 61)` looks like.

```
.text, #text, p{  
    color:rgb(31, 59, 61)  
}
```

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(31, 59, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 59, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 10.936, 204.644 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(31, 59, 61) }
```

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

```
.border{ border-color:rgb(31, 59, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 59, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 59, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 59, 61);  
box-shadow:4px 4px 4px 4px rgb(31, 59, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 10.936, 204.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 59, 61) }
```

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

```
.background{ background-color: rgb(31, 59,  
61) }
```

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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