

Converting Colors

CIELCh(23, 6.420, 179.126)

Have a look what the booklet for
CIELCh(23, 6.420, 179.126) contains.

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Color

CIELCh(23, 6.505, 180.284)

Conversions

Conversions Part 1

Format	Color
Hex	2C3A37
RGB	44, 58, 55
RGB Percent	17%, 23%, 22%
CMY	0.8285, 0.7737, 0.7854
CMYK	0.24, 0.00, 0.05, 0.77
HSL	167°, 14%, 20%
HSV	167°, 24%, 23%
XYZ	3.2088, 3.8003, 4.1439
YIQ	53.4720, -7.3810, -3.9010

Conversions

Conversions Part 2

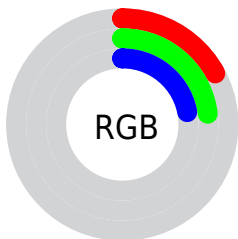
Format	Color
R_{YB}	44, 52, 58
Decimal	2898487
CIE Lab	23.00, -6.50, -0.03
CIE LCh	23, 6.505, 180.284
Yxy	3.8003, 0.2877, 0.3407
Android (android.graphics.Color)	4281088567 (0xFF2C3A37)
YUV	53.4720, 0.7533, -8.3069
Hunter-Lab	19.4944, -4.7340, 1.0430

Details

The CIELCh color **23, 6.505, 180.284** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 7.051, 4.291**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 6.333, 182.095**, and **4, 5.353, 172.328** is the 20% darker color. If you saturate the color by 10%, you get **23, 9.029, 179.410**, and if you desaturate by 10%, it is **24, 3.873, 181.120**.

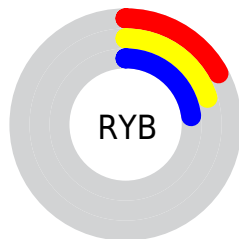
Distribution



Red (17%)

Green (23%)

Blue (22%)



Red (17%)

Yellow (20%)

Blue (23%)

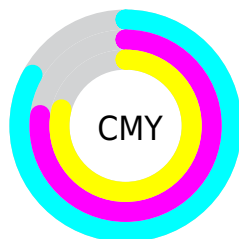


Cyan (24%)

Magenta (0%)

Yellow (5%)

Black (77%)



Cyan (83%)

Magenta (77%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 6.505, 180.284 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, 6.505, 180.284 by changing the saturation by 10% instead.

■ 23, 6.505, 180.284

■ 23, 6.505, 180.284

■ 100, 6.505,
180.284

■ 13, 6.505, 180.284

■ 43, 6.505, 180.284

■ 3, 6.505, 180.284

■ 53, 6.505, 180.284

■ 0, 6.505, 180.284

■ 63, 6.505, 180.284

■ 73, 6.505, 180.284

■ 83, 6.505, 180.284

■ 93, 6.505, 180.284

■ 23, 6.505, 180.284

■ 23, 6.505, 180.284

■ 23, 9.029, 179.410

■ 24, 3.873, 181.120

■ 22, 11.411,
178.492

■ 24, 1.164, 182.028

■ 22, 13.617,
177.514

■ 25, 1.596, 2.464

■ 25, 4.381, 3.271

■ 22, 15.615,
176.461

■ 26, 7.174, 3.989

■ 21, 17.376,
175.320

■ 27, 9.957, 4.674

■ 27, 12.719, 5.336

■ 21, 18.885,
174.079

■ 28, 15.452, 5.976

■ 21, 20.338,
172.927

■ 29, 18.147, 6.598

■ 21, 21.201,
172.345

Harmonies

Complementary

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



23, 6.505, 180.284



20, 7.051, 4.291

Rectangle

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



23, 6.505, 180.284



23, 6.505, 230.284



23, 6.505, 0.284



23, 6.505, 50.284

Sweetspot

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



23, 6.505, 180.280



31, 2.358, 181.715



23, 10.656, 137.298



15, 1.547, 181.719



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, 6.505, 180.280



30, 9.477, 179.758



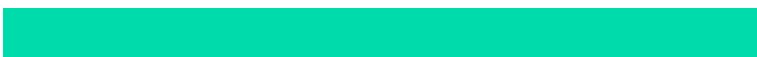
22, 4.994, 231.184



10, 1.480, 181.627



34, 29.472, 170.849



78, 56.672, 169.192

Inverse Universe

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



20, 7.051, 4.291



24, 10.497, 4.962



21, 5.652, 48.334



9, 1.521, 2.739



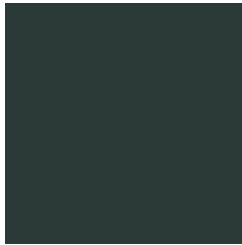
17, 42.269, 23.980



46, 82.635, 29.043

Previews

White Background



This preview shows how the CIELCh color 23, 6.505, 180.284 looks on a white background.

Color Contrast Check

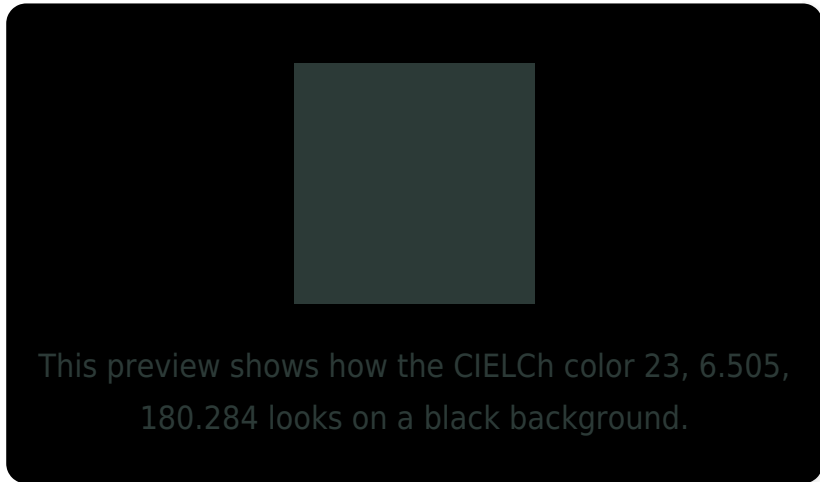
Large Text (above 18pt) WCAG AA ✓ Pass

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

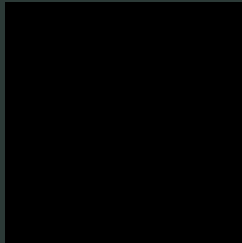
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

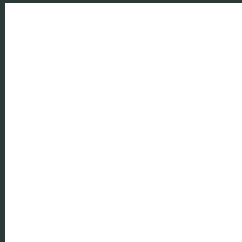
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 6.505, 180.284

Background



This preview shows how black text looks on a background with the CIELCh color 23, 6.505, 180.284.

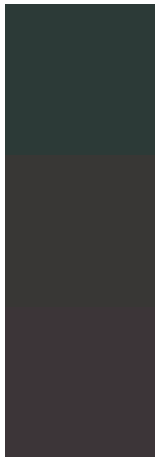


This preview shows how white text looks on a background with the CIELCh color 23, 6.505, 180.284.

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, 6.505, 180.284

Protanopia

23, 1.402, 90.494

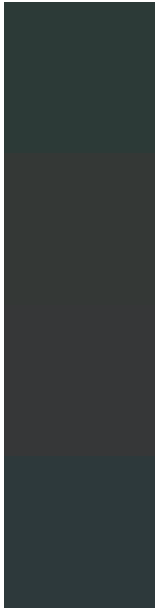
Deuteranopia

23, 3.811, 348.540



Tritanopia
23, 5.656, 226.928

Trichromacy



Original Color

23, 6.505, 180.284

Protanomaly

23, 2.274, 163.223

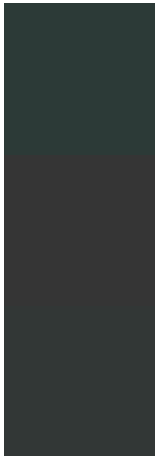
Deuteranomaly

23, 0.803, 255.979

Tritanomaly

23, 5.277, 213.280

Monochromacy



Original Color

23, 6.505, 180.284

Achromatopsia

22, 0.004, 296.813

Achromatomaly

23, 2.372, 182.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 6.505, 180.284 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(44, 58, 55)` looks like.

```
.text, #text, p{  
    color:rgb(44, 58, 55)  
}
```

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(44, 58, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 58, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 6.505, 180.284 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(44, 58, 55) }
```

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

```
.border{ border-color:rgb(44, 58, 55) }
```

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

Here you see how a box with a 4 pixel rgb(44, 58, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 58, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 58, 55);  
box-shadow:4px 4px 4px 4px rgb(44, 58, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 6.505, 180.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 58, 55) }
```

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

```
.background{ background-color: rgb(44, 58,  
55) }
```

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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