

Converting Colors

CIELCh(21, 53.823, 159.442)

Have a look what the booklet for
CIELCh(21, 53.823, 159.442)
contains.

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Color

CIELCh(23, 36.613, 144.389)

Conversions

Conversions Part 1

Format	Color
Hex	014115
RGB	1, 65, 21
RGB Percent	0%, 25%, 8%
CMY	0.9969, 0.7464, 0.9192
CMYK	0.99, 0.00, 0.68, 0.75
HSL	139°, 98%, 13%
HSV	139°, 99%, 25%
XYZ	2.0130, 3.8003, 1.3181
YIQ	40.8480, -24.0200, -27.2520

Conversions

Conversions Part 2

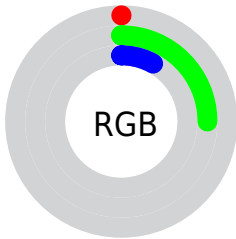
Format	Color
R_{YB}	1, 50, 65
Decimal	82197
CIE _{Lab}	23.00, -29.77, 21.32
CIE _{LCh}	23, 36.613, 144.389
Yxy	3.8003, 0.2823, 0.5329
Android (android.graphics.Color)	4278272277 (0xFF014115)
YUV	40.8480, -9.7851, -34.9467
Hunter-Lab	19.4944, -15.6830, 9.6373

Details

The CIELCh color **23, 36.613, 144.389** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 34.800, 342.910**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 36.835, 144.126**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 36.966, 144.264**, and if you desaturate by 10%, it is **23, 33.724, 145.594**.

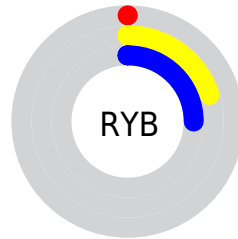
Distribution



Red (0%)

Green (25%)

Blue (8%)



Red (0%)

Yellow (20%)

Blue (25%)

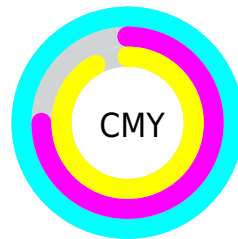


Cyan (99%)

Magenta (0%)

Yellow (68%)

Black (75%)



Cyan (100%)


Magenta (75%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 36.613, 144.389 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, 36.613, 144.389 by changing the saturation by 10% instead.

 23, 36.613,
144.389


 23, 36.613,
144.389

 100, 36.613,
144.389


 13, 36.613,
144.389


 43, 36.613,
144.389


 3, 36.613, 144.389

 53, 36.613,
144.389

 0, 36.613, 144.389

 63, 36.613,
144.389

 73, 36.613,
144.389

 83, 36.613,
144.389

 93, 36.613,

144.389

■ 23, 36.613,
144.389

■ 23, 36.613,
144.389

■ 23, 36.966,
144.264

■ 23, 33.724,
145.594

■ 23, 30.724,
147.088

■ 24, 27.416,
148.488

■ 24, 23.823,
149.743

■ 24, 20.003,
150.859

■ 25, 16.017,
151.846

■ 25, 11.923,
152.720

■ 26, 7.775, 153.498

■ 27, 3.617, 154.204

Harmonies

Complementary

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



23, 36.613, 144.389



11, 34.800, 342.910

Rectangle

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



23, 36.613, 144.389



23, 36.613, 194.389



23, 36.613, 324.389



23, 36.613, 14.389

Sweetspot

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



23, 36.613, 144.389



33, 15.477, 152.509



25, 37.058, 118.510



16, 10.647, 152.354



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, 36.613, 144.389



30, 45.103, 143.277



24, 22.398, 173.389



12, 2.345, 154.219



35, 50.222, 142.840



78, 96.184, 141.190

Inverse Universe

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



11, 34.800, 342.910



16, 41.585, 343.867



10, 31.976, 19.080



12, 2.356, 335.170



20, 45.688, 344.263



50, 83.074, 345.936

Previews

White Background



This preview shows how the CIELCh color 23, 36.613, 144.389 looks on a white background.

Color Contrast Check

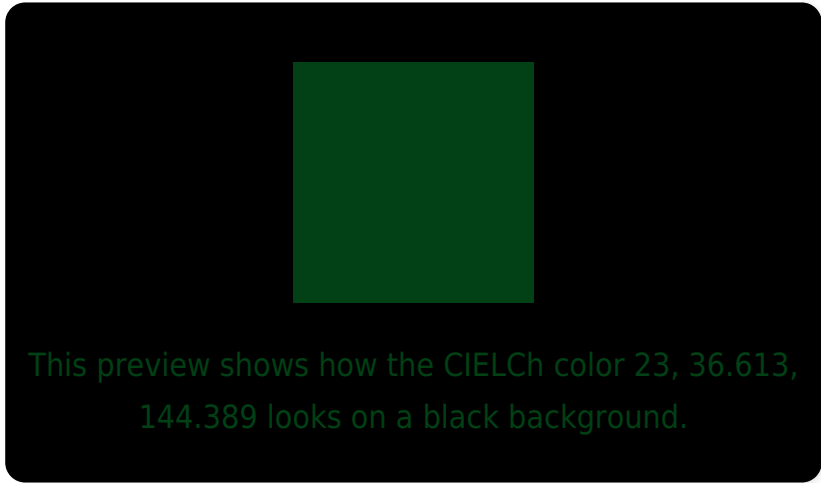
Large Text (above 18pt) WCAG AA ✓ Pass

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

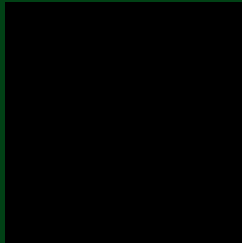
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 36.613, 144.389

Background



This preview shows how black text looks on a background with the CIELCh color 23, 36.613, 144.389.



This preview shows how white text looks on a background with the CIELCh color 23, 36.613, 144.389.

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

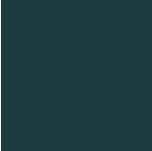
23, 36.604, 144.480

Protanopia

23, 24.244, 97.110

Deuteranopia

23, 20.421, 80.973



Tritanopia
23, 12.664, 212.844

Trichromacy



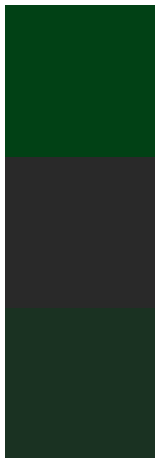
Original Color
23, 36.604, 144.480

Protanomaly
22, 26.955, 125.579

Deuteranomaly
22, 22.798, 122.301

Tritanomaly
23, 19.362, 169.465

Monochromacy



Original Color
23, 36.604, 144.480

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 15.624, 152.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 36.613, 144.389 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, 65, 21)` looks like.

```
.text, #text, p{  
    color:rgb(1, 65, 21)  
}
```

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, 65, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 65, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 36.613, 144.389 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, 65, 21) }
```

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

```
.border{ border-color:rgb(1, 65, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 65, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 65, 21); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 65, 21); box-shadow:4px  
4px 4px 4px rgb(1, 65, 21) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 36.613, 144.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 65, 21) }
```

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

```
.background{ background-color: rgb(1, 65,  
21) }
```

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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