

Converting Colors

CIELCh(23, 35.957, 145.095)

Have a look what the booklet for
CIELCh(23, 35.957, 145.095)
contains.

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Color

CIELCh(23, 36.161, 145.033)

Conversions

Conversions Part 1

Format	Color
Hex	014116
RGB	1, 65, 22
RGB Percent	0%, 25%, 9%
CMY	0.9978, 0.7465, 0.9150
CMYK	0.99, 0.00, 0.66, 0.75
HSL	140°, 98%, 13%
HSV	140°, 99%, 25%
XYZ	2.0188, 3.8003, 1.3700
YIQ	40.9620, -24.3410, -26.9410

Conversions

Conversions Part 2

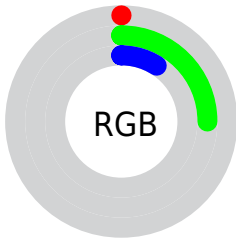
Format	Color
R_YB	1, 49, 65
Decimal	82198
CIE _{Lab}	23.00, -29.63, 20.72
CIE _{LCh}	23, 36.161, 145.033
Yxy	3.8003, 0.2808, 0.5286
Android (android.graphics.Color)	4278272278 (0xFF014116)
YUV	40.9620, -9.3483, -35.0467
Hunter-Lab	19.4944, -15.6300, 9.4794

Details

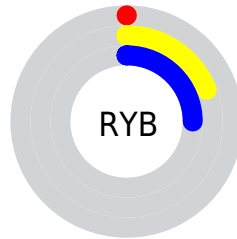
The CIELCh color **23, 36.161, 145.033** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 34.491, 344.157**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 36.372, 144.661**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 36.409, 144.942**, and if you desaturate by 10%, it is **23, 33.303, 146.250**.

Distribution



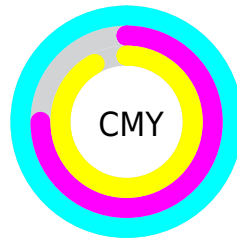
- Red (0%)
- Green (25%)
- Blue (9%)



- Red (0%)
- Yellow (19%)
- Blue (25%)



- Cyan (99%)
- Magenta (0%)
- Yellow (66%)
- Black (75%)





- Cyan (100%)
- Magenta (75%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 36.161, 145.033 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, 36.161, 145.033 by changing the saturation by 10% instead.

 23, 36.161,
145.033


 23, 36.161,
145.033

 100, 36.161,
145.033


 13, 36.161,
145.033


 43, 36.161,
145.033


 3, 36.161, 145.033

 53, 36.161,
145.033

 0, 36.161, 145.033

 63, 36.161,
145.033

 73, 36.161,
145.033

 83, 36.161,
145.033

 93, 36.161,

145.033

■ 23, 36.161,
145.033

■ 23, 36.161,
145.033

■ 23, 36.409,
144.942

■ 23, 33.303,
146.250

■ 23, 30.354,
147.759

■ 24, 27.110,
149.177

■ 24, 23.585,
150.448

■ 24, 19.835,
151.577

■ 25, 15.918,
152.577

■ 25, 11.892,
153.464

■ 26, 7.809, 154.254

■ 27, 3.713, 154.972

Harmonies

Complementary

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



23, 36.161, 145.033



11, 34.491, 344.157

Rectangle

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



23, 36.161, 145.033



23, 36.161, 195.033



23, 36.161, 325.033



23, 36.161, 15.033

Sweetspot

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



23, 36.161, 145.033



33, 15.250, 153.280



25, 37.304, 119.266



16, 10.491, 153.124



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, 36.161, 145.033



31, 44.441, 143.938



24, 22.039, 174.954



12, 2.312, 155.012



35, 49.490, 143.494



78, 94.837, 141.804

Inverse Universe

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



11, 34.491, 344.157



16, 41.111, 345.167



10, 32.180, 19.909



12, 2.324, 335.980



20, 45.165, 345.602



50, 82.109, 347.437

Previews

White Background



This preview shows how the CIELCh color 23, 36.161, 145.033 looks on a white background.

Color Contrast Check

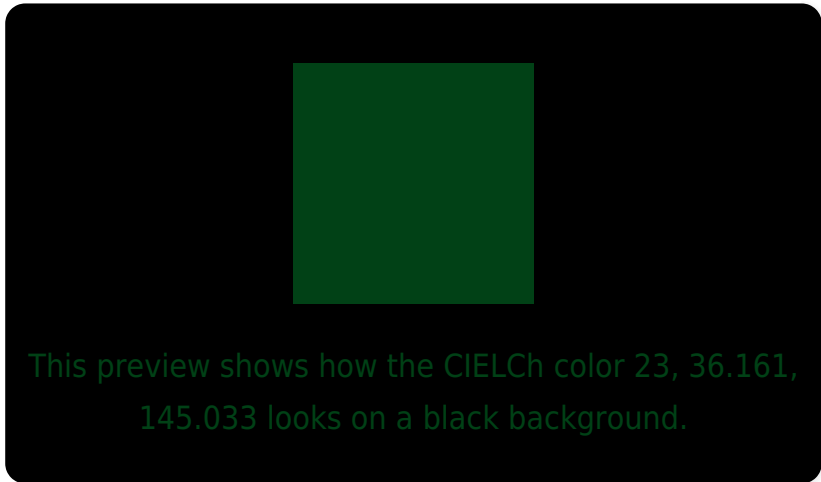
Large Text (above 18pt) WCAG AA ✓ Pass

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

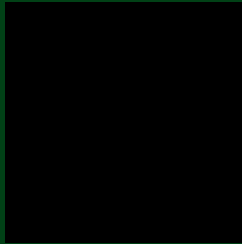
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 36.161, 145.033

Background



This preview shows how black text looks on a background with the CIELCh color 23, 36.161, 145.033.



This preview shows how white text looks on a background with the CIELCh color 23, 36.161, 145.033.

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, 36.161, 145.033

Protanopia
23, 23.701, 97.070

Deuteranopia
23, 19.851, 80.425



Tritanopia
23, 12.664, 212.844

Trichromacy



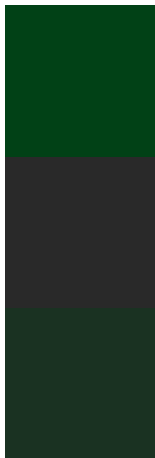
Original Color
23, 36.161, 145.033

Protanomaly
22, 26.444, 126.060

Deuteranomaly
22, 22.237, 122.816

Tritanomaly
23, 19.362, 169.465

Monochromacy



Original Color
23, 36.161, 145.033

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, 36.161, 145.033 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(1, 65, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 65, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 36.161, 145.033 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, 22) }
```

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

```
.border{ border-color:rgb(1, 65, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 65, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 65, 22); box-shadow:4px  
4px 4px 4px rgb(1, 65, 22) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 36.161, 145.033 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, 22) }
```

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

```
.background{ background-color: rgb(1, 65,  
22) }
```

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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