

Converting Colors

CIELCh(23, 33.820, 148.073)

Have a look what the booklet for
CIELCh(23, 33.820, 148.073)
contains.

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Color

CIELCh(23, 33.285, 148.421)

Conversions

Conversions Part 1

Format	Color
Hex	01401B
RGB	1, 64, 27
RGB Percent	0%, 25%, 11%
CMY	0.9943, 0.7475, 0.8928
CMYK	0.98, 0.00, 0.58, 0.75
HSL	145°, 96%, 13%
HSV	145°, 98%, 25%
XYZ	2.0752, 3.8003, 1.6821
YIQ	40.9450, -25.6710, -24.8630

Conversions

Conversions Part 2

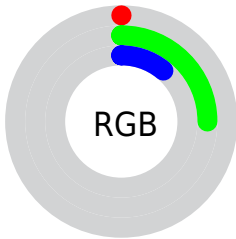
Format	Color
R _Y B	1, 46, 64
Decimal	81947
CIE Lab	23.00, -28.36, 17.43
CIE LCh	23, 33.285, 148.421
Yxy	3.8003, 0.2746, 0.5028
Android (android.graphics.Color)	4278272027 (0xFF01401B)
YUV	40.9450, -6.8749, -35.0318
Hunter-Lab	19.4944, -15.1137, 8.5303

Details

The CIELCh color **23, 33.285, 148.421** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 32.609, 349.525**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 33.647, 148.118**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 33.895, 148.160**, and if you desaturate by 10%, it is **23, 30.593, 149.761**.

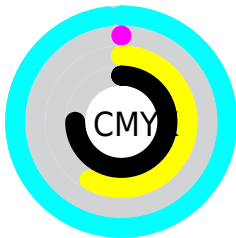
Distribution



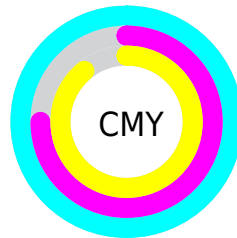
- Red (0%)
- Green (25%)
- Blue (11%)



- Red (0%)
- Yellow (18%)
- Blue (25%)



- Cyan (98%)
- Magenta (0%)
- Yellow (58%)
- Black (75%)





- Cyan (99%)
- Magenta (75%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 33.285, 148.421 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, 33.285, 148.421 by changing the saturation by 10% instead.

 23, 33.285,
148.421


 23, 33.285,
148.421

 100, 33.285,
148.421


 13, 33.285,
148.421


 43, 33.285,
148.421


 3, 33.285, 148.421

 53, 33.285,
148.421

 0, 33.285, 148.421

 63, 33.285,
148.421

 73, 33.285,
148.421

 83, 33.285,
148.421

 93, 33.285,

148.421

■ 23, 33.285,
148.421

■ 23, 33.285,
148.421

■ 23, 33.895,
148.160

■ 23, 30.593,
149.761

■ 23, 27.834,
151.329

■ 24, 24.799,
152.767

■ 24, 21.509,
154.052

■ 24, 18.012,
155.196

■ 25, 14.358,
156.214

■ 25, 10.600,
157.125

■ 26, 6.784, 157.945

■ 27, 2.950, 158.707

Harmonies

Complementary

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



23, 33.285, 148.421



11, 32.609, 349.525

Rectangle

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



23, 33.285, 148.421



23, 33.285, 198.421



23, 33.285, 328.421



23, 33.285, 18.421

Sweetspot

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



23, 33.285, 148.421



33, 13.840, 156.903



24, 37.636, 122.792



16, 9.574, 156.730



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, 33.285, 148.421



31, 41.495, 147.093



24, 20.003, 183.947



12, 2.176, 158.644



35, 46.212, 146.625



79, 88.651, 144.812

Inverse Universe

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



11, 32.609, 349.525



16, 39.393, 351.142



10, 32.217, 23.548



12, 2.192, 339.684



19, 43.284, 351.754



49, 78.792, 354.337

Previews

White Background



This preview shows how the CIELCh color 23, 33.285, 148.421 looks on a white background.

Color Contrast Check

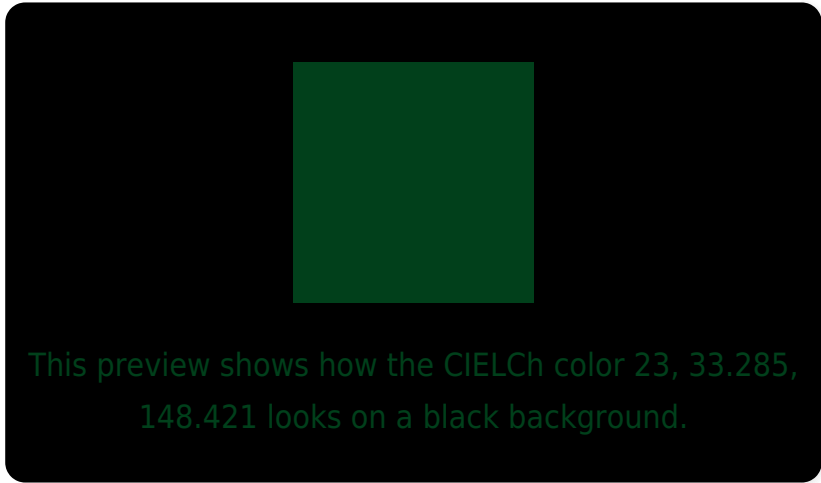
Large Text (above 18pt) WCAG AA ✓ Pass

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

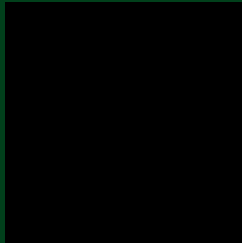
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 33.285, 148.421

Background



This preview shows how black text looks on a background with the CIELCh color 23, 33.285, 148.421.



This preview shows how white text looks on a background with the CIELCh color 23, 33.285, 148.421.

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, 33.285, 148.421

Protanopia

23, 19.715, 96.442

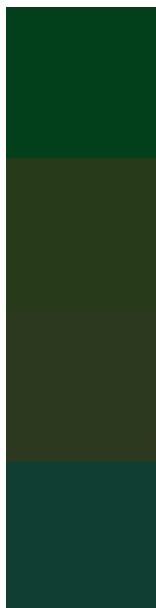
Deuteranopia

23, 16.702, 78.479



Tritanopia
23, 12.914, 212.500

Trichromacy



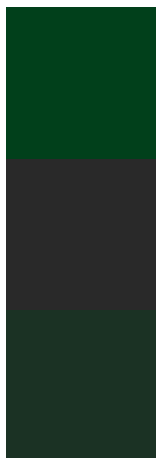
Original Color
23, 33.285, 148.421

Protanomaly
22, 22.744, 130.063

Deuteranomaly
22, 18.782, 126.503

Tritanomaly
23, 18.786, 173.131

Monochromacy



Original Color
23, 33.285, 148.421

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 14.321, 154.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 33.285, 148.421 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, 64, 27)` looks like.

```
.text, #text, p{  
    color:rgb(1, 64, 27)  
}
```

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, 64, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 64, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 33.285, 148.421 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, 64, 27) }
```

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

```
.border{ border-color:rgb(1, 64, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 64, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 64, 27); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 64, 27); box-shadow:4px  
4px 4px 4px rgb(1, 64, 27) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 33.285, 148.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 64, 27) }
```

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

```
.background{ background-color: rgb(1, 64,  
27) }
```

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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