

Converting Colors

CIELCh(22, 50.330, 148.305)

Have a look what the booklet for
CIELCh(22, 50.330, 148.305)
contains.

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Color

CIELCh(23, 42.087, 138.789)

Conversions

Conversions Part 1

Format	Color
Hex	004107
RGB	0, 65, 7
RGB Percent	0%, 25%, 3%
CMY	0.9998, 0.7450, 0.9724
CMYK	1.00, 0.00, 0.89, 0.74
HSL	126°, 100%, 13%
HSV	126°, 100%, 26%
XYZ	1.9314, 3.8003, 0.8338
YIQ	38.9530, -20.1220, -31.8180

Conversions

Conversions Part 2

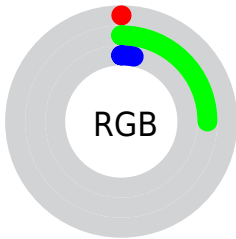
Format	Color
RYB	0, 59, 65
Decimal	16647
CIELab	23.00, -31.66, 27.73
CIELCh	23, 42.087, 138.789
Yxy	3.8003, 0.2942, 0.5788
Android (android.graphics.Color)	4278206727 (0xFF004107)
YUV	38.9530, -15.7528, -34.1618
Hunter-Lab	19.4944, -16.4304, 11.1100

Details

The CIELCh color **23, 42.087, 138.789** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 40.245, 332.427**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 42.351, 138.600**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 42.105, 138.786**, and if you desaturate by 10%, it is **23, 39.253, 139.453**.

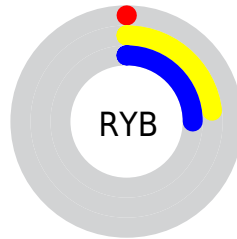
Distribution



Red (0%)

Green (25%)

Blue (3%)



Red (0%)

Yellow (23%)

Blue (25%)

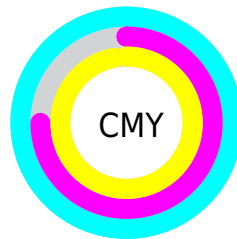


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (74%)



Cyan (100%)


Magenta (75%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 42.087, 138.789 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, 42.087, 138.789 by changing the saturation by 10% instead.

 23, 42.087,
138.789


 23, 42.087,
138.789

 100, 42.087,
138.789


 13, 42.087,
138.789


 43, 42.087,
138.789


 3, 42.087, 138.789

 53, 42.087,
138.789

 0, 42.087, 138.789

 63, 42.087,
138.789

 73, 42.087,
138.789

 83, 42.087,
138.789

 93, 42.087,

138.789

■ 23, 42.087,
138.789

■ 23, 42.087,
138.789

■ 23, 42.105,
138.786

■ 23, 39.253,
139.453

■ 23, 36.077,
140.596

■ 24, 32.408,
141.792

■ 24, 28.312,
142.915

■ 24, 23.895,
143.939

■ 25, 19.253,
144.855

■ 25, 14.473,
145.663

■ 26, 9.628, 146.373

■ 27, 4.777, 147.001

Harmonies

Complementary

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



23, 42.087, 138.789



12, 40.245, 332.427

Rectangle

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



23, 42.087, 138.789



23, 42.087, 188.789



23, 42.087, 318.789



23, 42.087, 8.789

Sweetspot

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



23, 42.087, 138.790



33, 17.970, 145.562



26, 36.227, 108.455



16, 12.365, 145.421



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, 42.087, 138.790



30, 50.855, 138.098



23, 28.341, 157.835



12, 2.715, 147.084



35, 56.454, 137.814



78, 106.525, 136.867

Inverse Universe

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



12, 40.245, 332.427



17, 47.728, 332.626



11, 31.693, 4.960



12, 2.721, 327.908



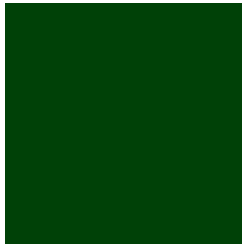
21, 52.547, 332.720



52, 96.328, 333.110

Previews

White Background



This preview shows how the CIELCh color 23, 42.087, 138.789 looks on a white background.

Color Contrast Check

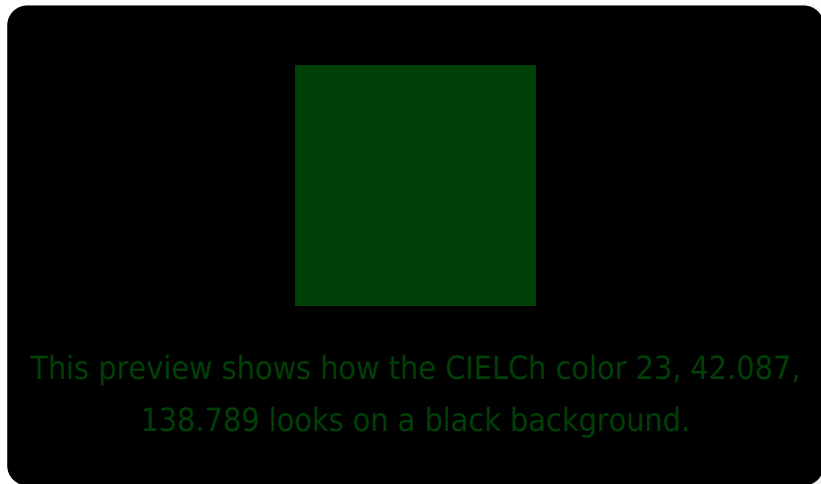
Large Text (above 18pt) WCAG AA ✓ Pass

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

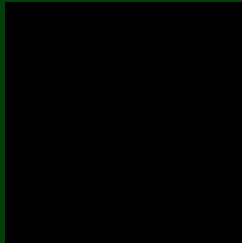
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 42.087, 138.789

Background



This preview shows how black text looks on a background with the CIELCh color 23, 42.087, 138.789.



This preview shows how white text looks on a background with the CIELCh color 23, 42.087, 138.789.

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

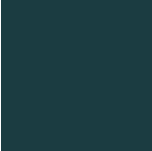
23, 42.087, 138.789

Protanopia

23, 31.024, 96.297

Deuteranopia

23, 26.053, 83.552



Tritanopia
23, 12.406, 213.210

Trichromacy



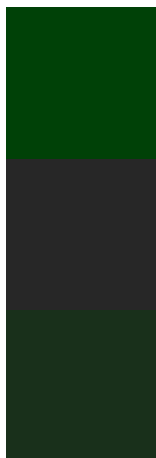
Original Color
23, 42.087, 138.789

Protanomaly
22, 33.339, 120.639

Deuteranomaly
22, 28.285, 116.997

Tritanomaly
23, 21.500, 161.967

Monochromacy



Original Color
23, 42.087, 138.789

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 18.100, 143.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 42.087, 138.789 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(0, 65, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 65, 7)  
}
```

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(0, 65, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 65, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 42.087, 138.789 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(0, 65, 7) }
```

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

```
.border{ border-color:rgb(0, 65, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 65, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 65, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 65, 7); box-shadow:4px  
4px 4px 4px rgb(0, 65, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 42.087, 138.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 65, 7) }
```

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

```
.background{ background-color: rgb(0, 65,  
7) }
```

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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