

Converting Colors

CIELCh(23, 42.054, 139.466)

Have a look what the booklet for
CIELCh(23, 42.054, 139.466)
contains.

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Color

CIELCh(23, 41.752, 139.115)

Conversions

Conversions Part 1

Format	Color
Hex	004108
RGB	0, 65, 8
RGB Percent	0%, 25%, 3%
CMY	0.9999, 0.7450, 0.9685
CMYK	1.00, 0.00, 0.88, 0.75
HSL	127°, 100%, 13%
HSV	127°, 100%, 25%
XYZ	1.9355, 3.8003, 0.8618
YIQ	39.0670, -20.4430, -31.5070

Conversions

Conversions Part 2

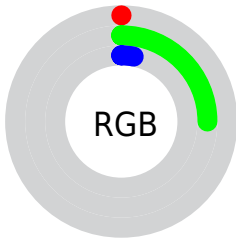
Format	Color
RYB	0, 58, 65
Decimal	16648
CIELab	23.00, -31.57, 27.33
CIELCh	23, 41.752, 139.115
Yxy	3.8003, 0.2934, 0.5760
Android (android.graphics.Color)	4278206728 (0xFF004108)
YUV	39.0670, -15.3160, -34.2618
Hunter-Lab	19.4944, -16.3931, 11.0250

Details

The CIELCh color **23, 41.752, 139.115** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 39.820, 333.106**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 41.897, 139.004**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 41.760, 139.114**, and if you desaturate by 10%, it is **23, 38.913, 139.818**.

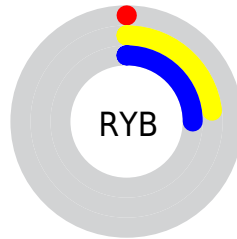
Distribution



Red (0%)

Green (25%)

Blue (3%)



Red (0%)

Yellow (23%)

Blue (25%)

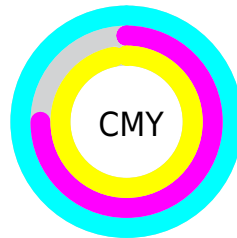


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (75%)



Cyan (100%)


Magenta (75%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 41.752, 139.115 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, 41.752, 139.115 by changing the saturation by 10% instead.

 23, 41.752,
139.115


 23, 41.752,
139.115

 100, 41.752,
139.115


 13, 41.752,
139.115


 43, 41.752,
139.115


 3, 41.752, 139.115

 53, 41.752,
139.115

 0, 41.752, 139.115

 63, 41.752,
139.115

 73, 41.752,
139.115

 83, 41.752,
139.115

 93, 41.752,

139.115

■ 23, 41.752,
139.115

■ 23, 41.752,
139.115

■ 23, 41.760,
139.114

■ 23, 38.913,
139.818

■ 23, 35.733,
140.998

■ 24, 32.083,
142.217

■ 24, 28.021,
143.356

■ 24, 23.648,
144.390

■ 25, 19.057,
145.312

■ 25, 14.330,
146.126

■ 26, 9.538, 146.840

■ 27, 4.741, 147.473

Harmonies

Complementary

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



23, 41.752, 139.115



12, 39.820, 333.106

Rectangle

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



23, 41.752, 139.115



23, 41.752, 189.115



23, 41.752, 319.115



23, 41.752, 9.115

Sweetspot

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



23, 41.752, 139.116



33, 17.774, 146.027



26, 36.292, 109.350



16, 12.230, 145.885



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, 41.752, 139.116



30, 50.509, 138.384



23, 27.837, 158.881



12, 2.685, 147.559



35, 56.098, 138.079



78, 106.030, 137.060

Inverse Universe

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



12, 39.820, 333.106



17, 47.200, 333.338



11, 31.682, 6.392



12, 2.692, 328.390



21, 51.955, 333.449



52, 95.161, 333.910

Previews

White Background



This preview shows how the CIELCh color 23, 41.752, 139.115 looks on a white background.

Color Contrast Check

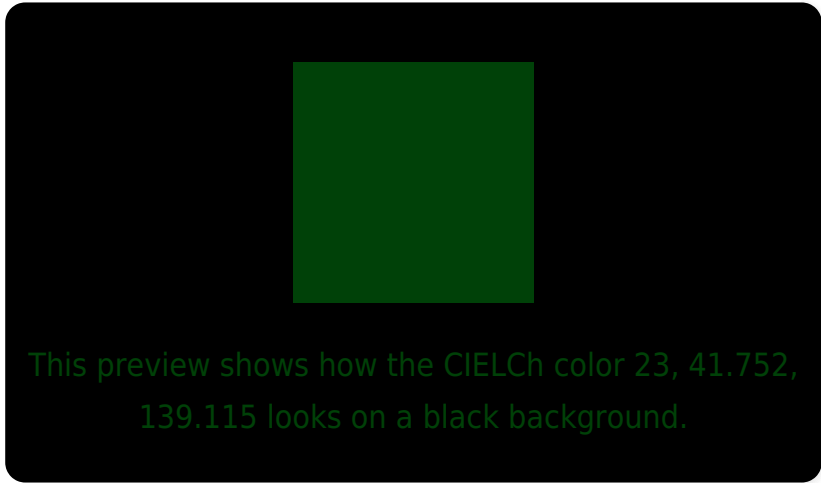
Large Text (above 18pt) WCAG AA ✓ Pass

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

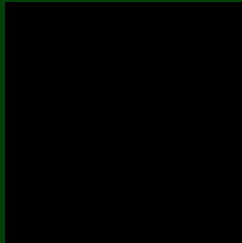
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 41.752, 139.115

Background



This preview shows how black text looks on a background with the CIELCh color 23, 41.752, 139.115.



This preview shows how white text looks on a background with the CIELCh color 23, 41.752, 139.115.

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](#).

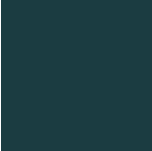
Dichromacy



Original Color
23, 41.752, 139.115

Protanopia
23, 30.217, 96.255

Deuteranopia
23, 25.549, 83.277



Tritanopia
23, 12.406, 213.210

Trichromacy



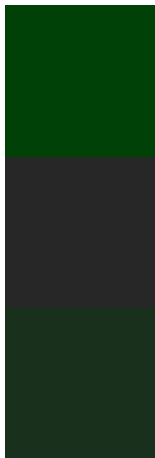
Original Color
23, 41.752, 139.115

Protanomaly
22, 32.576, 121.125

Deuteranomaly
22, 27.841, 117.275

Tritanomaly
23, 21.500, 161.967

Monochromacy



Original Color
23, 41.752, 139.115

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 17.555, 145.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 41.752, 139.115 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 65, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 65, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 41.752, 139.115 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, 8) }
```

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

```
.border{ border-color:rgb(0, 65, 8) }
```

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, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 65, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 65, 8); box-shadow:4px  
4px 4px 4px rgb(0, 65, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 41.752, 139.115 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, 8) }
```

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

```
.background{ background-color: rgb(0, 65,  
8) }
```

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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