

Converting Colors

CIELCh(23, 23.332, 141.364)

Have a look what the booklet for
CIELCh(23, 23.332, 141.364)
contains.

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Color

CIELCh(23, 23.258, 141.283)

Conversions

Conversions Part 1

Format	Color
Hex	203D20
RGB	32, 61, 32
RGB Percent	13%, 24%, 13%
CMY	0.8730, 0.7592, 0.8731
CMYK	0.47, 0.00, 0.47, 0.76
HSL	120°, 31%, 18%
HSV	120°, 47%, 24%
XYZ	2.5640, 3.8003, 1.9914
YIQ	49.0230, -7.9750, -15.1670

Conversions

Conversions Part 2

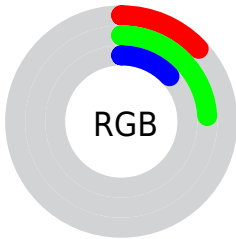
Format	Color
R_{YB}	32, 61, 61
Decimal	2112800
CIE _{Lab}	23.00, -18.15, 14.55
CIE _{LCh}	23, 23.258, 141.283
Yxy	3.8003, 0.3069, 0.4548
Android (android.graphics.Color)	4280302880 (0xFF203D20)
YUV	49.0230, -8.3923, -14.9292
Hunter-Lab	19.4944, -10.6377, 7.5895

Details

The CIELCh color **23, 23.258, 141.283** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **17, 23.207, 326.600**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 23.711, 141.005**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 27.822, 140.367**, and if you desaturate by 10%, it is **23, 18.465, 142.116**.

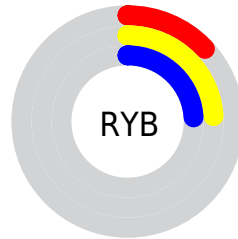
Distribution



 Red (13%)

 Green (24%)

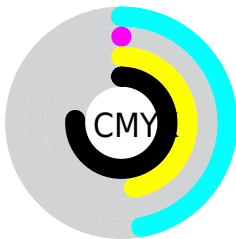
 Blue (13%)




 Red (13%)

 Yellow (24%)

 Blue (24%)

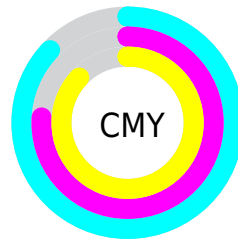



 Cyan (47%)

 Magenta (0%)

 Yellow (47%)

 Black (76%)



 Cyan (87%)


 Magenta (76%)


 Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 23.258, 141.283 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, 23.258, 141.283 by changing the saturation by 10% instead.

 23, 23.258,
141.283


 23, 23.258,
141.283

 100, 23.258,
141.283


 13, 23.258,
141.283


 43, 23.258,
141.283


 3, 23.258, 141.283

 53, 23.258,
141.283

 0, 23.258, 141.283

 63, 23.258,
141.283

 73, 23.258,
141.283

 83, 23.258,
141.283

 93, 23.258,

141.283

■ 23, 23.258,
141.283

■ 23, 23.258,
141.283

■ 23, 27.822,
140.367

■ 23, 18.465,
142.116

■ 22, 32.040,
139.393

■ 24, 13.540,
142.857

■ 22, 35.775,
138.410

■ 25, 8.560, 143.509

■ 25, 3.587, 144.089

■ 22, 38.838,
137.646

■ 26, 1.334, 324.461

■ 22, 41.768,
137.132

■ 27, 6.168, 324.947

■ 22, 42.578,
137.023

■ 28, 10.894,
325.318

■ 29, 15.496,
325.635

■ 30, 19.968,
325.909

Harmonies

Complementary

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



23, 23.258, 141.283



17, 23.207, 326.600

Rectangle

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



23, 23.258, 141.283



23, 23.258, 191.283



23, 23.258, 321.283



23, 23.258, 11.283

Sweetspot

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



23, 23.259, 141.283



32, 8.550, 143.670



25, 18.320, 105.506



16, 5.959, 143.614



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23, 23.259, 141.283



30, 34.049, 140.158



23, 16.181, 158.717



11, 2.729, 144.025



34, 57.869, 136.009



77, 107.814, 136.013

Inverse Universe

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



17, 23.207, 326.600



21, 33.843, 327.084



17, 16.906, 346.790



10, 2.734, 324.793



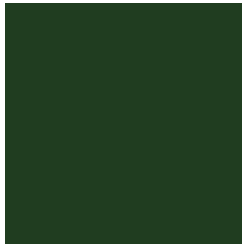
21, 55.841, 328.202



53, 104.030, 328.200

Previews

White Background



This preview shows how the CIELCh color 23, 23.258, 141.283 looks on a white background.

Color Contrast Check

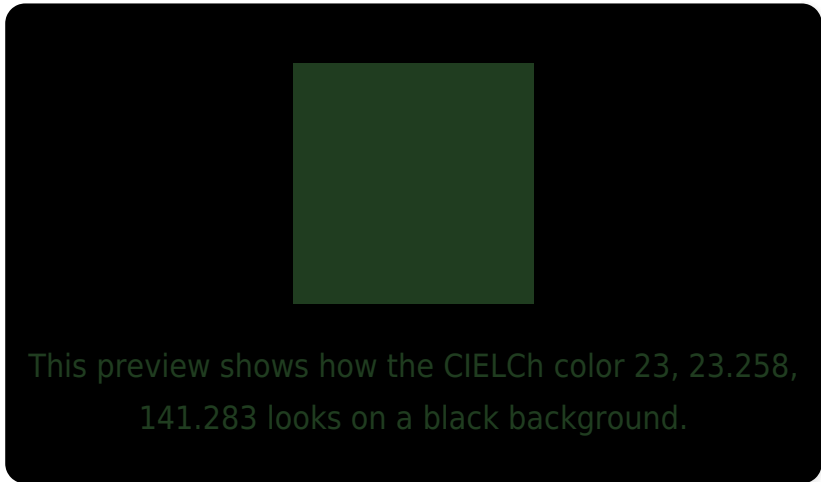
Large Text (above 18pt) WCAG AA ✓ Pass

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

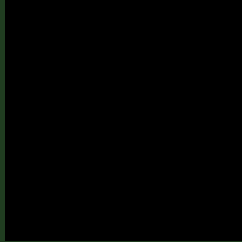
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 23.258, 141.283

Background



This preview shows how black text looks on a background with the CIELCh color 23, 23.258, 141.283.



This preview shows how white text looks on a background with the CIELCh color 23, 23.258, 141.283.

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

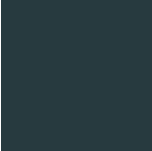
23, 23.258, 141.283

Protanopia

23, 16.571, 97.383

Deuteranopia

23, 13.578, 75.074



Tritanopia
23, 8.243, 222.245

Trichromacy



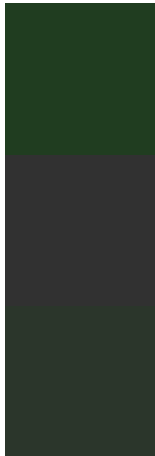
Original Color
23, 23.258, 141.283

Protanomaly
23, 17.296, 118.275

Deuteranomaly
22, 13.820, 109.161

Tritanomaly
23, 10.686, 171.508

Monochromacy



Original Color
23, 23.258, 141.283

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 9.068, 143.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 23.258, 141.283 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(32, 61, 32)` looks like.

```
.text, #text, p{  
    color:rgb(32, 61, 32)  
}
```

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(32, 61, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 61, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 23.258, 141.283 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(32, 61, 32) }
```

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

```
.border{ border-color:rgb(32, 61, 32) }
```

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

Here you see how a box with a 4 pixel rgb(32, 61, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 61, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 61, 32);  
box-shadow:4px 4px 4px 4px rgb(32, 61, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 23.258, 141.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 61, 32) }
```

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

```
.background{ background-color: rgb(32, 61,  
32) }
```

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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