

Converting Colors

CIELCh(20, 54.385, 170.435)

Have a look what the booklet for
CIELCh(20, 54.385, 170.435)
contains.

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Color

CIELCh(23, 29.505, 154.458)

Conversions

Conversions Part 1

Format	Color
Hex	014023
RGB	1, 64, 35
RGB Percent	0%, 25%, 14%
CMY	0.9952, 0.7489, 0.8630
CMYK	0.98, 0.00, 0.45, 0.75
HSL	152°, 96%, 13%
HSV	152°, 98%, 25%
XYZ	2.1534, 3.8003, 2.2056
YIQ	41.8570, -28.2390, -22.3750

Conversions

Conversions Part 2

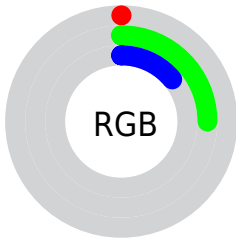
Format	Color
R_{YB}	1, 42, 64
Decimal	81955
CIE Lab	23.00, -26.62, 12.72
CIE LCh	23, 29.505, 154.458
Yxy	3.8003, 0.2639, 0.4658
Android (android.graphics.Color)	4278272035 (0xFF014023)
YUV	41.8570, -3.3805, -35.8316
Hunter-Lab	19.4944, -14.3973, 6.9380

Details

The CIELCh color **23, 29.505, 154.458** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 31.163, 359.200**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 29.609, 154.501**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 29.952, 154.227**, and if you desaturate by 10%, it is **23, 27.170, 155.836**.

Distribution



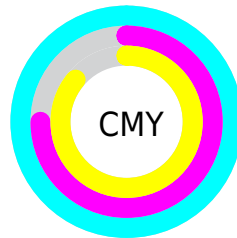
- Red (0%)
- Green (25%)
- Blue (14%)



- Red (0%)
- Yellow (16%)
- Blue (25%)



- Cyan (98%)
- Magenta (0%)
- Yellow (45%)
- Black (75%)




- Cyan (100%)
- Magenta (75%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 29.505, 154.458 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, 29.505, 154.458 by changing the saturation by 10% instead.

 23, 29.505,
154.458

 23, 29.505,
154.458

 100, 29.505,
154.458

 13, 29.505,
154.458


 43, 29.505,
154.458


 3, 29.505, 154.458

 53, 29.505,
154.458

 0, 29.505, 154.458

 63, 29.505,
154.458

 73, 29.505,
154.458

 83, 29.505,
154.458

 93, 29.505,

154.458

■ 23, 29.505,
154.458

■ 23, 29.505,
154.458

■ 23, 29.952,
154.227

■ 23, 27.170,
155.836

■ 23, 24.814,
157.429

■ 24, 22.207,
158.896

■ 24, 19.352,
160.213

■ 24, 16.288,
161.396

■ 25, 13.058,
162.461

■ 25, 9.708, 163.427

■ 26, 6.280, 164.312

■ 27, 2.813, 165.148

Harmonies

Complementary

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



23, 29.505, 154.458



11, 31.163, 359.200

Rectangle

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



23, 29.505, 154.458



23, 29.505, 204.458



23, 29.505, 334.458



23, 29.505, 24.458

Sweetspot

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



23, 29.505, 154.458



34, 12.555, 163.223



24, 39.072, 127.610



16, 8.679, 163.039



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, 29.505, 154.458



31, 36.741, 153.120



23, 17.717, 201.095



12, 1.987, 165.109



36, 40.886, 152.640



79, 78.252, 150.756

Inverse Universe

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



11, 31.163, 359.200



16, 37.866, 1.532



10, 32.301, 29.031



12, 2.012, 346.263



19, 41.689, 2.433



48, 76.651, 6.189

Previews

White Background



This preview shows how the CIELCh color 23, 29.505, 154.458 looks on a white background.

Color Contrast Check

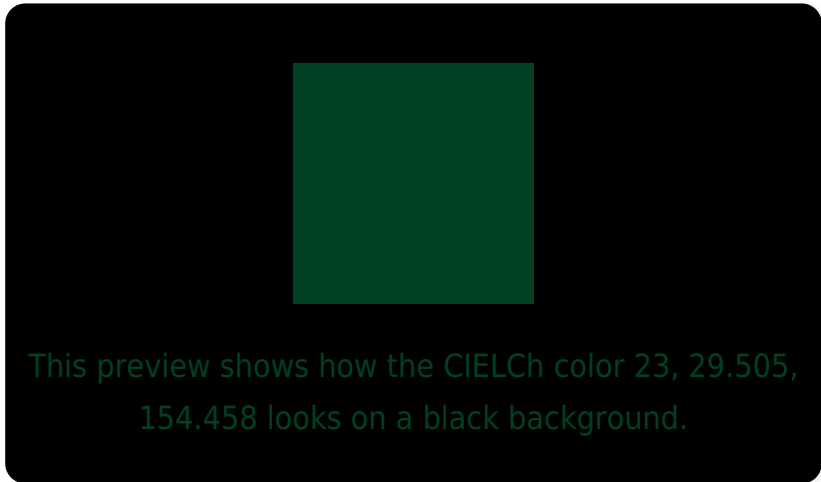
Large Text (above 18pt) WCAG AA ✓ Pass

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

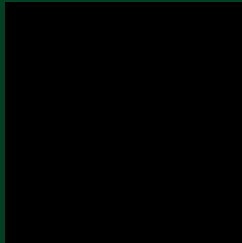
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 29.505, 154.458

Background



This preview shows how black text looks on a background with the CIELCh color 23, 29.505, 154.458.



This preview shows how white text looks on a background with the CIELCh color 23, 29.505, 154.458.

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

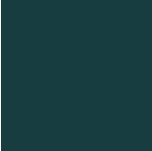
23, 29.483, 154.575

Protanopia

23, 15.427, 95.078

Deuteranopia

23, 12.092, 74.370



Tritanopia
23, 13.409, 208.839

Trichromacy



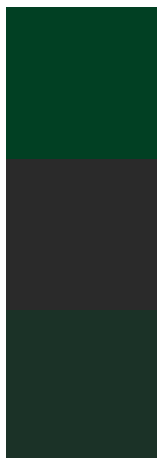
Original Color
23, 29.483, 154.575

Protanomaly
22, 18.836, 135.664

Deuteranomaly
22, 15.104, 135.795

Tritanomaly
23, 17.727, 178.760

Monochromacy



Original Color
23, 29.483, 154.575

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 12.883, 161.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 29.505, 154.458 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(1, 64, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 64, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 29.505, 154.458 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, 35) }
```

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

```
.border{ border-color:rgb(1, 64, 35) }
```

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, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 64, 35); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 64, 35); box-shadow:4px  
4px 4px 4px rgb(1, 64, 35) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 29.505, 154.458 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, 35) }
```

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

```
.background{ background-color: rgb(1, 64,  
35) }
```

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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