

Converting Colors

CIELCh(23, 27.131, 159.648)

Have a look what the booklet for
CIELCh(23, 27.131, 159.648)
contains.

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Color

CIELCh(23, 27.275, 159.485)

Conversions

Conversions Part 1

Format	Color
Hex	004028
RGB	0, 64, 40
RGB Percent	0%, 25%, 16%
CMY	1.0000, 0.7496, 0.8437
CMYK	1.00, 0.00, 0.38, 0.75
HSL	157°, 100%, 13%
HSV	157°, 100%, 25%
XYZ	2.2030, 3.8003, 2.6122
YIQ	42.1280, -30.4400, -21.0320

Conversions

Conversions Part 2

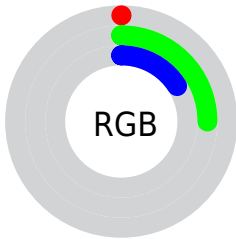
Format	Color
RYB	0, 39, 64
Decimal	16424
CIELab	23.00, -25.55, 9.56
CIELCh	23, 27.275, 159.485
Yxy	3.8003, 0.2557, 0.4411
Android (android.graphics.Color)	4278206504 (0xFF004028)
YUV	42.1280, -1.0491, -36.9463
Hunter-Lab	19.4944, -13.9439, 5.7013

Details

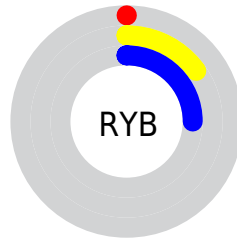
The CIELCh color **23, 27.275, 159.485** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 31.313, 6.878**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 27.085, 159.672**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 27.248, 159.450**, and if you desaturate by 10%, it is **23, 25.190, 160.769**.

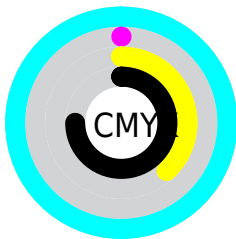
Distribution



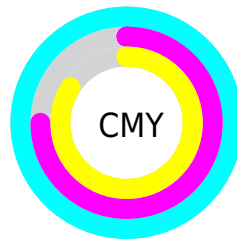
- Red (0%)
- Green (25%)
- Blue (16%)



- Red (0%)
- Yellow (15%)
- Blue (25%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (75%)



- Cyan (100%)
- Magenta (75%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 27.275, 159.485 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, 27.275, 159.485 by changing the saturation by 10% instead.

■ 23, 27.275,
159.485

■ 23, 27.275,
159.485

■ 100, 27.275,
159.485

■ 13, 27.275,
159.485

■ 43, 27.275,
159.485

■ 3, 27.275, 159.485

■ 53, 27.275,
159.485

■ 0, 27.275, 159.485

■ 63, 27.275,
159.485

■ 73, 27.275,
159.485

■ 83, 27.275,
159.485

■ 93, 27.275,

159.485

■ 23, 27.275,
159.485

■ 23, 27.275,
159.485

■ 23, 27.248,
159.450

■ 23, 25.190,
160.769

■ 23, 23.157,
162.321

■ 24, 20.902,
163.791

■ 24, 18.390,
165.118

■ 24, 15.653,
166.318

■ 25, 12.731,
167.409

■ 25, 9.664, 168.407

■ 26, 6.495, 169.331

■ 26, 3.262, 170.206

Harmonies

Complementary

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



23, 27.275, 159.485



10, 31.313, 6.878

Rectangle

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



23, 27.275, 159.485



23, 27.275, 209.485



23, 27.275, 339.485



23, 27.275, 29.485

Sweetspot

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



23, 27.248, 159.450



34, 12.144, 168.276



23, 40.483, 130.061



16, 8.342, 168.099



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, 27.248, 159.450



31, 33.410, 158.359



21, 16.519, 214.781



12, 1.873, 170.332



36, 37.137, 157.890



79, 70.783, 156.034

Inverse Universe

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



10, 31.313, 6.878



15, 37.739, 9.310



11, 31.263, 32.924



12, 1.905, 351.546



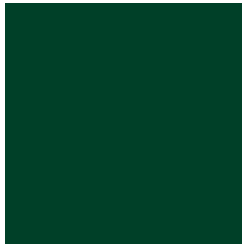
19, 41.663, 10.383



48, 77.568, 14.774

Previews

White Background



This preview shows how the CIELCh color 23, 27.275, 159.485 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



This preview shows how the CIELCh color 23, 27.275, 159.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

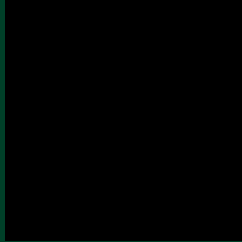
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 27.275, 159.485

Background



This preview shows how black text looks on a background with the CIELCh color 23, 27.275, 159.485.



This preview shows how white text looks on a background with the CIELCh color 23, 27.275, 159.485.

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](#).

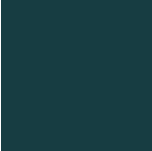
Dichromacy



Original Color
23, 27.275, 159.485

Protanopia
23, 12.792, 95.807

Deuteranopia
23, 9.560, 69.281



Tritanopia
23, 13.654, 211.532

Trichromacy



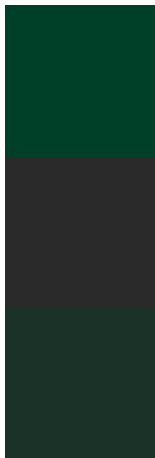
Original Color
23, 27.275, 159.485

Protanomaly
22, 16.852, 141.124

Deuteranomaly
22, 13.092, 142.849

Tritanomaly
23, 17.300, 182.986

Monochromacy



Original Color
23, 27.275, 159.485

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 12.004, 166.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 27.275, 159.485 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, 64, 40)` looks like.

```
.text, #text, p{  
    color:rgb(0, 64, 40)  
}
```

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, 64, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 64, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 27.275, 159.485 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, 64, 40) }
```

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

```
.border{ border-color:rgb(0, 64, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 64, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 64, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 64, 40); box-shadow:4px  
4px 4px 4px rgb(0, 64, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 27.275, 159.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 64, 40) }
```

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

```
.background{ background-color: rgb(0, 64,  
40) }
```

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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