

Converting Colors

CIELCh(20, 23.640, 159.671)

Have a look what the booklet for
CIELCh(20, 23.640, 159.671)
contains.

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Color

CIELCh(20, 23.405, 160.029)

Conversions

Conversions Part 1

Format	Color
Hex	053824
RGB	5, 56, 36
RGB Percent	2%, 22%, 14%
CMY	0.9803, 0.7804, 0.8588
CMYK	0.91, 0.00, 0.36, 0.78
HSL	156°, 84%, 12%
HSV	156°, 91%, 22%
XYZ	1.7960, 2.9891, 2.1521
YIQ	38.4710, -23.9760, -17.0320

Conversions

Conversions Part 2

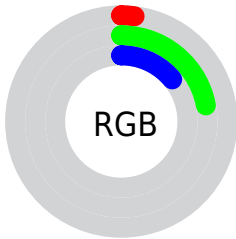
Format	Color
RYB	5, 37, 56
Decimal	342052
CIELab	20.00, -22.00, 7.99
CIELCh	20, 23.405, 160.029
Yxy	2.9891, 0.2589, 0.4309
Android (android.graphics.Color)	4278532132 (0xFF053824)
YUV	38.4710, -1.2182, -29.3541
Hunter-Lab	17.2889, -11.7131, 4.7219

Details

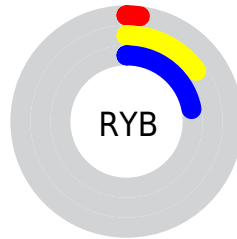
The CIELCh color **20, 23.405, 160.029** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 26.365, 2.663**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 23.629, 160.365**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **20, 25.219, 159.008**, and if you desaturate by 10%, it is **20, 21.433, 161.425**.

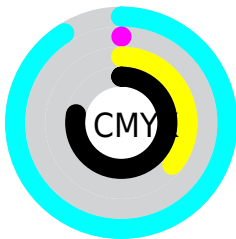
Distribution



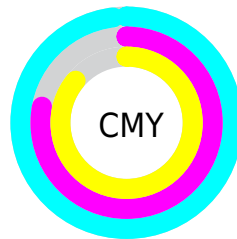
- Red (2%)
- Green (22%)
- Blue (14%)



- Red (2%)
- Yellow (15%)
- Blue (22%)



- Cyan (91%)
- Magenta (0%)
- Yellow (36%)
- Black (78%)





- Cyan (98%)
- Magenta (78%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 23.405, 160.029 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 20, 23.405, 160.029 by changing the saturation by 10% instead.

 20, 23.405,
160.029


 20, 23.405,
160.029


 100, 23.405,
160.029


 10, 23.405,
160.029


 40, 23.405,
160.029

 0, 23.405, 160.029

 50, 23.405,
160.029

 60, 23.405,
160.029

 70, 23.405,
160.029

 80, 23.405,
160.029

 90, 23.405,

160.029

■ 20, 23.405,
160.029

■ 20, 23.405,
160.029

■ 20, 25.219,
159.008

■ 20, 21.433,
161.425

■ 20, 19.342,
162.855

■ 21, 17.030,
164.148

■ 21, 14.524,
165.319

■ 21, 11.859,
166.383

■ 22, 9.071, 167.358

■ 22, 6.195, 168.258

■ 23, 3.265, 169.108

■ 23, 0.309, 170.409

Harmonies

Complementary

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



20, 23.405, 160.029



9, 26.365, 2.663

Rectangle

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



20, 23.405, 160.029



20, 23.405, 210.029



20, 23.405, 340.029



20, 23.405, 30.029

Sweetspot

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



20, 23.405, 160.029



30, 9.973, 167.605



20, 33.723, 130.012



14, 6.779, 167.522



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 23.405, 160.029



27, 30.910, 157.780



19, 14.626, 210.880



10, 1.639, 169.340



34, 36.328, 156.998



78, 70.904, 154.991

Inverse Universe

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



9, 26.365, 2.663



13, 34.523, 6.780



10, 25.694, 29.938



9, 1.665, 350.466



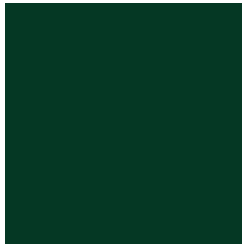
17, 40.047, 8.489



47, 75.901, 13.087

Previews

White Background



This preview shows how the CIELCh color 20, 23.405, 160.029 looks on a white background.

Color Contrast Check

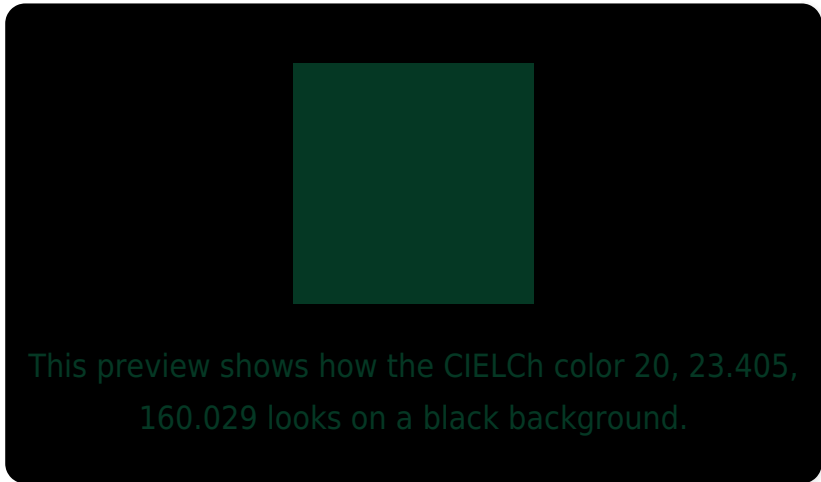
Large Text (above 18pt) WCAG AA ✓ Pass

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

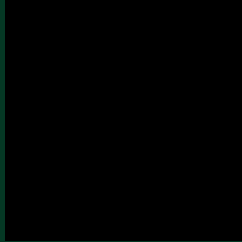
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 23.405, 160.029

Background



This preview shows how black text looks on a background with the CIELCh color 20, 23.405, 160.029.



This preview shows how white text looks on a background with the CIELCh color 20, 23.405, 160.029.

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](#).

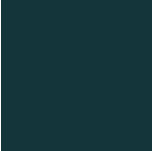
Dichromacy



Original Color
20, 23.405, 160.029

Protanopia
20, 10.957, 96.678

Deuteranopia
20, 8.001, 69.096



Tritanopia
20, 12.270, 213.615

Trichromacy



Original Color
20, 23.405, 160.029

Protanomaly
20, 14.411, 139.688

Deuteranomaly
19, 10.590, 141.099

Tritanomaly
20, 14.804, 185.956

Monochromacy



Original Color
20, 23.405, 160.029

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 10.385, 164.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 23.405, 160.029 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(5, 56, 36)` looks like.

```
.text, #text, p{  
    color:rgb(5, 56, 36)  
}
```

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(5, 56, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 56, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 23.405, 160.029 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(5, 56, 36) }
```

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

```
.border{ border-color:rgb(5, 56, 36) }
```

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

Here you see how a box with a 4 pixel rgb(5, 56, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 56, 36); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 56, 36); box-shadow:4px  
4px 4px 4px rgb(5, 56, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 23.405, 160.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 56, 36) }
```

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

```
.background{ background-color: rgb(5, 56,  
36) }
```

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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