

Converting Colors

CIELCh(21, 23.534, 164.449)

Have a look what the booklet for
CIELCh(21, 23.534, 164.449)
contains.

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Color

CIELCh(21, 23.642, 164.533)

Conversions

Conversions Part 1

Format	Color
Hex	013B29
RGB	1, 59, 41
RGB Percent	0%, 23%, 16%
CMY	0.9979, 0.7703, 0.8408
CMYK	0.99, 0.00, 0.31, 0.77
HSL	161°, 98%, 12%
HSV	161°, 99%, 23%
XYZ	1.9422, 3.2451, 2.5859
YIQ	39.6060, -28.7900, -17.8940

Conversions

Conversions Part 2

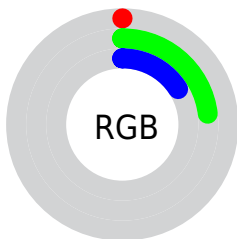
Format	Color
R_{YB}	1, 35, 59
Decimal	80681
CIE Lab	21.00, -22.79, 6.30
CIE LCh	21, 23.642, 164.533
Yxy	3.2451, 0.2499, 0.4175
Android (android.graphics.Color)	4278270761 (0xFF013B29)
YUV	39.6060, 0.6872, -33.8575
Hunter-Lab	18.0142, -12.2795, 4.0991

Details

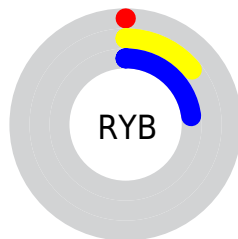
The CIELCh color **21, 23.642, 164.533** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 29.363, 10.530**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 23.795, 164.309**, and **2, 3.939, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 23.809, 164.433**, and if you desaturate by 10%, it is **21, 21.856, 165.735**.

Distribution



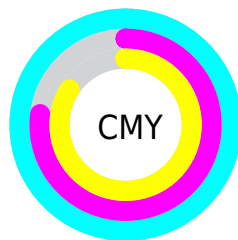
- Red (0%)
- Green (23%)
- Blue (16%)



- Red (0%)
- Yellow (14%)
- Blue (23%)



- Cyan (99%)
- Magenta (0%)
- Yellow (31%)
- Black (77%)





- Cyan (100%)
- Magenta (77%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 23.642, 164.533 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 21, 23.642, 164.533 by changing the saturation by 10% instead.

 21, 23.642,
164.533


 21, 23.642,
164.533

 100, 23.642,
164.533


 11, 23.642,
164.533


 41, 23.642,
164.533


 1, 23.642, 164.533

 51, 23.642,
164.533

 0, 23.642, 164.533

 61, 23.642,
164.533

 71, 23.642,
164.533

 81, 23.642,
164.533

 91, 23.642,

164.533

■ 21, 23.642,
164.533

■ 21, 23.642,
164.533

■ 21, 23.809,
164.433

■ 21, 21.856,
165.735

■ 21, 20.107,
167.156

■ 22, 18.165,
168.517

■ 22, 15.985,
169.755

■ 22, 13.596,
170.885

■ 23, 11.032,
171.923

■ 23, 8.328, 172.884

■ 24, 5.522, 173.785

■ 24, 2.645, 174.656

Harmonies

Complementary

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



21, 23.642, 164.533



9, 29.363, 10.530

Rectangle

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



21, 23.642, 164.533



21, 23.642, 214.533



21, 23.642, 344.533



21, 23.642, 34.533

Sweetspot

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



21, 23.642, 164.532



31, 10.704, 172.665



21, 38.134, 132.068



14, 7.156, 172.549



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 23.642, 164.532



28, 28.871, 163.358



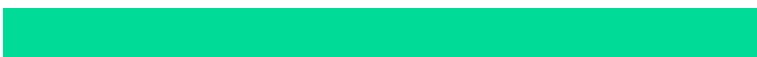
18, 15.187, 226.515



10, 1.556, 174.730



34, 33.024, 162.744



78, 64.079, 160.831

Inverse Universe

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



9, 29.363, 10.530



13, 35.701, 14.346



10, 27.478, 34.882



9, 1.589, 355.880



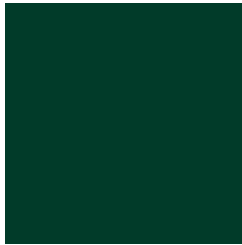
17, 40.650, 15.937



46, 78.178, 20.943

Previews

White Background



This preview shows how the CIELCh color 21, 23.642, 164.533 looks on a white background.

Color Contrast Check

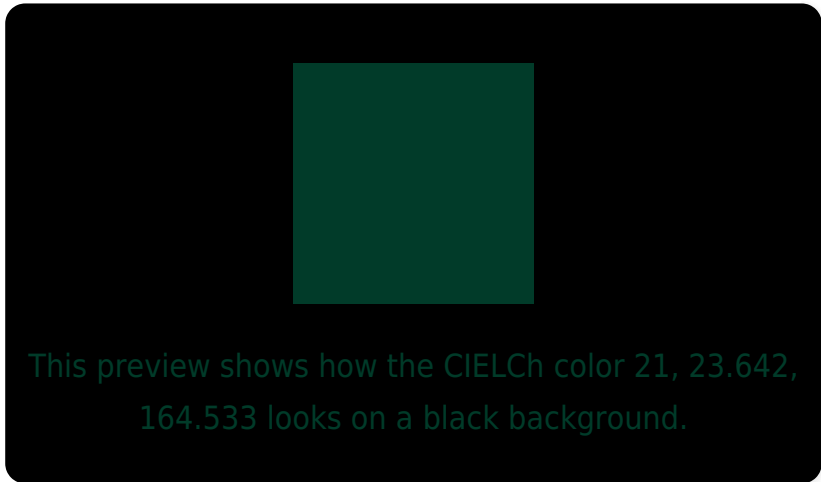
Large Text (above 18pt) WCAG AA ✓ Pass

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 21, 23.642, 164.533

Background



This preview shows how black text looks on a background with the CIELCh color 21, 23.642, 164.533.



This preview shows how white text looks on a background with the CIELCh color 21, 23.642, 164.533.

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

21, 23.642, 164.533

Protanopia

21, 9.592, 95.732

Deuteranopia

21, 6.439, 58.666



Tritanopia
21, 13.053, 212.413

Trichromacy



Original Color
21, 23.642, 164.533

Protanomaly
21, 14.033, 146.893

Deuteranomaly
20, 9.472, 152.006

Tritanomaly
21, 15.704, 189.113

Monochromacy



Original Color
21, 23.642, 164.533

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 10.248, 173.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 23.642, 164.533 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, 59, 41)` looks like.

```
.text, #text, p{  
    color:rgb(1, 59, 41)  
}
```

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, 59, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 59, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 23.642, 164.533 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, 59, 41) }
```

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

```
.border{ border-color:rgb(1, 59, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 59, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 59, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 59, 41); box-shadow:4px  
4px 4px 4px rgb(1, 59, 41) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 23.642, 164.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 59, 41) }
```

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

```
.background{ background-color: rgb(1, 59,  
41) }
```

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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