

Converting Colors

CIELCh(21, 20.573, 162.055)

Have a look what the booklet for
CIELCh(21, 20.573, 162.055)
contains.

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Color

CIELCh(21, 20.640, 162.162)

Conversions

Conversions Part 1

Format	Color
Hex	0F3A29
RGB	15, 58, 41
RGB Percent	6%, 23%, 16%
CMY	0.9428, 0.7740, 0.8406
CMYK	0.75, 0.00, 0.29, 0.77
HSL	156°, 60%, 14%
HSV	156°, 75%, 23%
XYZ	2.0791, 3.2451, 2.5835
YIQ	43.2050, -20.1710, -14.4030

Conversions

Conversions Part 2

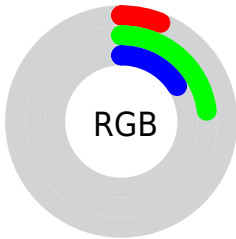
Format	Color
R_{YB}	15, 42, 58
Decimal	997929
CIE Lab	21.00, -19.65, 6.32
CIE LCh	21, 20.640, 162.162
Yxy	3.2451, 0.2629, 0.4104
Android (android.graphics.Color)	4279188009 (0xFF0F3A29)
YUV	43.2050, -1.0871, -24.7358
Hunter-Lab	18.0142, -10.9234, 4.1070

Details

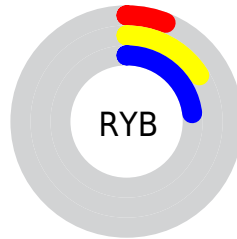
The CIELCh color **21, 20.640, 162.162** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 23.090, 358.948**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 21.016, 161.775**, and **2, 3.939, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 22.695, 160.672**, and if you desaturate by 10%, it is **21, 18.354, 163.516**.

Distribution



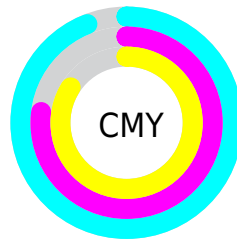
- Red (6%)
- Green (23%)
- Blue (16%)



- Red (6%)
- Yellow (16%)
- Blue (23%)



- Cyan (75%)
- Magenta (0%)
- Yellow (29%)
- Black (77%)





- Cyan (94%)
- Magenta (77%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 20.640, 162.162 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, 20.640, 162.162 by changing the saturation by 10% instead.

 21, 20.640,
162.162


 21, 20.640,
162.162

 100, 20.640,
162.162


 11, 20.640,
162.162


 41, 20.640,
162.162


 1, 20.640, 162.162

 51, 20.640,
162.162

 0, 20.640, 162.162

 61, 20.640,
162.162

 71, 20.640,
162.162

 81, 20.640,
162.162

 91, 20.640,

162.162

■ 21, 20.640,
162.162

■ 21, 20.640,
162.162

■ 21, 22.695,
160.672

■ 21, 18.354,
163.516

■ 21, 24.713,
159.339

■ 22, 15.857,
164.741

■ 20, 25.803,
158.741

■ 22, 13.181,
165.853

■ 22, 10.364,
166.866

■ 23, 7.444, 167.798

■ 23, 4.455, 168.666

■ 24, 1.429, 169.545

■ 25, 1.607, 350.038

■ 25, 4.631, 350.805

Harmonies

Complementary

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



21, 20.640, 162.162



11, 23.090, 358.948

Rectangle

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



21, 20.640, 162.162



21, 20.640, 212.162



21, 20.640, 342.162



21, 20.640, 32.162

Sweetspot

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



21, 20.640, 162.161



30, 8.169, 167.951



21, 29.806, 129.654



14, 5.539, 167.892



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, 20.640, 162.161



27, 28.746, 159.150



20, 13.532, 209.734



10, 1.641, 169.213



34, 36.411, 156.868



78, 71.075, 154.860

Inverse Universe

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



11, 23.090, 358.948



14, 31.995, 3.937



12, 22.311, 32.251



9, 1.667, 350.338



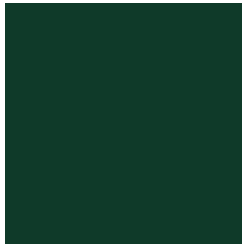
17, 40.042, 8.303



47, 75.866, 12.887

Previews

White Background



This preview shows how the CIELCh color 21, 20.640, 162.162 looks on a white background.

Color Contrast Check

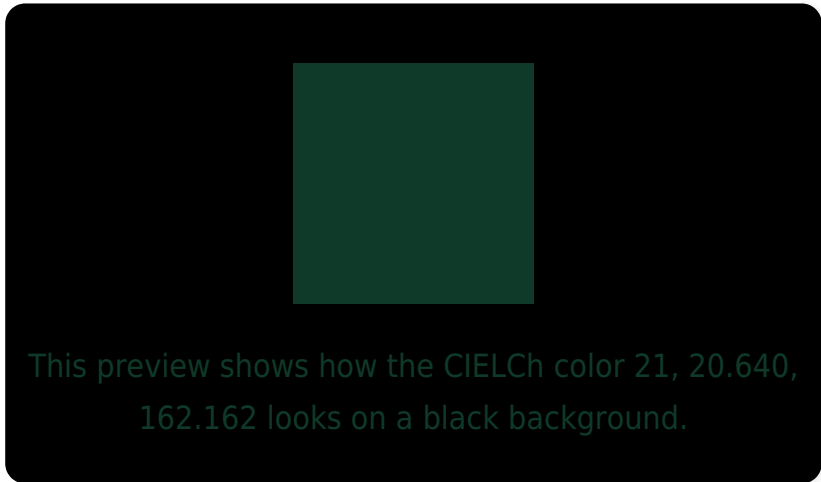
Large Text (above 18pt) WCAG AA ✓ Pass

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

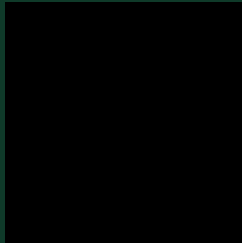
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 20.640, 162.162

Background



This preview shows how black text looks on a background with the CIELCh color 21, 20.640, 162.162.



This preview shows how white text looks on a background with the CIELCh color 21, 20.640, 162.162.

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

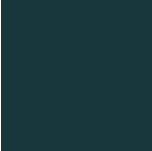
21, 20.640, 162.162

Protanopia

21, 9.494, 98.745

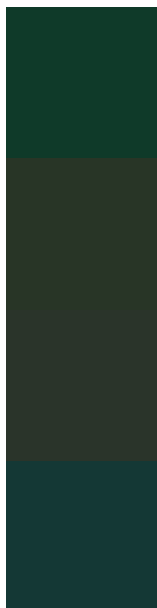
Deuteranopia

21, 6.050, 61.629



Tritanopia
21, 12.068, 213.864

Trichromacy



Original Color
21, 20.640, 162.162

Protanomaly
21, 11.893, 139.455

Deuteranomaly
21, 8.290, 143.448

Tritanomaly
21, 13.887, 188.406

Monochromacy



Original Color
21, 20.640, 162.162

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.069, 166.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 20.640, 162.162 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(15, 58, 41)` looks like.

```
.text, #text, p{  
    color:rgb(15, 58, 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(15, 58, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 58, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 20.640, 162.162 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(15, 58, 41) }
```

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

```
.border{ border-color:rgb(15, 58, 41) }
```

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

Here you see how a box with a 4 pixel rgb(15, 58, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 58, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 58, 41);  
box-shadow:4px 4px 4px 4px rgb(15, 58, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 20.640, 162.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 58, 41) }
```

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

```
.background{ background-color: rgb(15, 58,  
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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