

Converting Colors

CIELCh(21, 17.384, 236.853)

Have a look what the booklet for
CIELCh(21, 17.384, 236.853)
contains.

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Color

CIELCh(21, 17.563, 238.939)

Conversions

Conversions Part 1

Format	Color
Hex	023748
RGB	2, 55, 72
RGB Percent	1%, 22%, 28%
CMY	0.9906, 0.7833, 0.7165
CMYK	0.97, 0.24, 0.00, 0.72
HSL	195°, 94%, 15%
HSV	195°, 97%, 28%
XYZ	2.5879, 3.2451, 6.6692
YIQ	41.0910, -37.0450, -5.9490

Conversions

Conversions Part 2

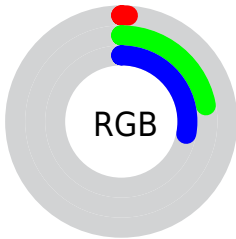
Format	Color
R_{YB}	2, 32, 72
Decimal	145224
CIE _{Lab}	21.00, -9.06, -15.04
CIE _{LCh}	21, 17.563, 238.939
Yxy	3.2451, 0.2070, 0.2596
Android (android.graphics.Color)	4278335304 (0xFF023748)
YUV	41.0910, 15.2381, -34.2828
Hunter-Lab	18.0142, -5.8814, -9.3404

Details

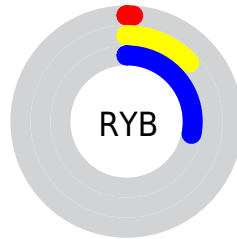
The CIELCh color **21, 17.563, 238.939** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 32.490, 41.662**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 17.636, 239.369**, and **2, 13.024, 280.736** is the 20% darker color. If you saturate the color by 10%, you get **21, 17.907, 239.761**, and if you desaturate by 10%, it is **22, 16.575, 236.222**.

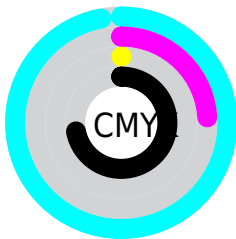
Distribution



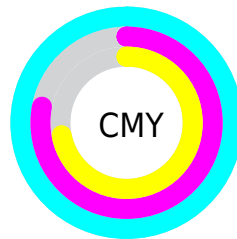
- Red (1%)
- Green (22%)
- Blue (28%)



- Red (1%)
- Yellow (13%)
- Blue (28%)



- Cyan (97%)
- Magenta (24%)
- Yellow (0%)
- Black (72%)



- Cyan (99%)
- Magenta (78%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 17.563, 238.939 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, 17.563, 238.939 by changing the saturation by 10% instead.

■ 21, 17.563,
238.939

■ 21, 17.563,
238.939

■ 100, 17.563,
238.939

■ 11, 17.563,
238.939

■ 41, 17.563,
238.939

■ 1, 17.563, 238.939

■ 51, 17.563,
238.939

■ 0, 17.563, 238.939

■ 61, 17.563,
238.939

■ 71, 17.563,
238.939

■ 81, 17.563,
238.939

■ 91, 17.563,

238.939

■ 21, 17.563,
238.939

■ 21, 17.563,
238.939

■ 21, 17.907,
239.761

■ 22, 16.575,
236.222

■ 23, 15.523,
233.533

■ 24, 14.216,
231.332

■ 24, 12.654,
229.556

■ 25, 10.851,
228.139

■ 27, 8.829, 227.020

■ 28, 6.617, 226.148

■ 29, 4.244, 225.485

■ 30, 1.737, 225.045

Harmonies

Complementary

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



21, 17.563, 238.939



15, 32.490, 41.662

Rectangle

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



21, 17.563, 238.939



21, 17.563, 288.939



21, 17.563, 58.939



21, 17.563, 108.939

Sweetspot

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



21, 17.562, 238.939



36, 8.882, 226.425



26, 41.438, 141.759



17, 6.105, 226.620



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



21, 17.562, 238.939



28, 21.634, 241.619



9, 37.580, 295.525



13, 1.428, 225.102



29, 22.474, 241.944



66, 41.741, 245.553

Inverse Universe

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



14, 38.493, 339.082



19, 46.846, 339.911



24, 31.953, 84.493



13, 2.634, 332.548



21, 48.548, 340.010



51, 87.608, 341.135

Previews

White Background



This preview shows how the CIELCh color 21, 17.563, 238.939 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 CIE LCh color 21, 17.563, 238.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

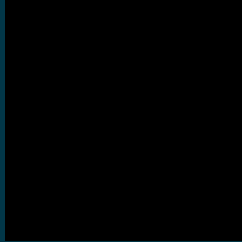
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

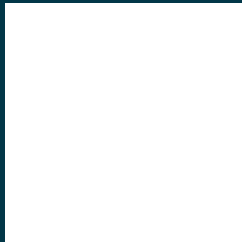
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 17.563, 238.939

Background



This preview shows how black text looks on a background with the CIELCh color 21, 17.563, 238.939.



This preview shows how white text looks on a background with the CIELCh color 21, 17.563, 238.939.

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, 17.563, 238.939

Protanopia

21, 12.222, 285.418

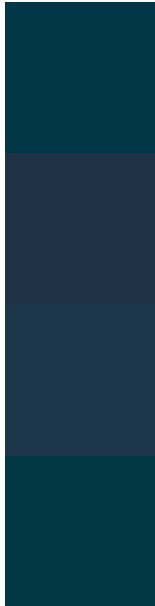
Deuteranopia

21, 15.080, 280.529



Tritanopia
21, 16.738, 206.011

Trichromacy



Original Color
21, 17.563, 238.939

Protanomaly
21, 14.097, 259.233

Deuteranomaly
21, 15.532, 259.828

Tritanomaly
21, 16.371, 219.038

Monochromacy



Original Color
21, 17.563, 238.939

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 8.533, 227.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 17.563, 238.939 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(2, 55, 72)` looks like.

```
.text, #text, p{  
    color:rgb(2, 55, 72)  
}
```

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(2, 55, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 55, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 17.563, 238.939 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(2, 55, 72) }
```

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

```
.border{ border-color:rgb(2, 55, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 55, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 55, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 55, 72); box-shadow:4px  
4px 4px 4px rgb(2, 55, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 17.563, 238.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 55, 72) }
```

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

```
.background{ background-color: rgb(2, 55,  
72) }
```

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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