

Converting Colors

CIELCh(21, 18.521, 311.576)

Have a look what the booklet for
CIELCh(21, 18.521, 311.576)
contains.

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Color

CIELCh(21, 18.558, 311.929)

Conversions

Conversions Part 1

Format	Color
Hex	3B2D47
RGB	59, 45, 71
RGB Percent	23%, 18%, 28%
CMY	0.7692, 0.8241, 0.7221
CMYK	0.17, 0.37, 0.00, 0.72
HSL	272°, 22%, 23%
HSV	272°, 37%, 28%
XYZ	3.8613, 3.2451, 6.3599
YIQ	52.1500, -0.0020, 11.0540

Conversions

Conversions Part 2

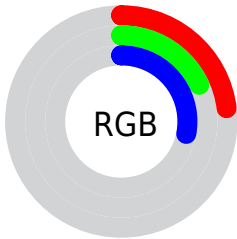
Format	Color
R_{YB}	59, 45, 71
Decimal	3878215
CIE _{Lab}	21.00, 12.40, -13.81
CIE _{LCh}	21, 18.558, 311.929
Yxy	3.2451, 0.2867, 0.2410
Android (android.graphics.Color)	4282068295 (0xFF3B2D47)
YUV	52.1500, 9.2931, 6.0075
Hunter-Lab	18.0142, 6.7358, -8.3223

Details

The CIELCh color **21, 18.558, 311.929** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 17.798, 128.897**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 18.751, 311.891**, and **2, 16.378, 310.026** is the 20% darker color. If you saturate the color by 10%, you get **19, 23.782, 312.380**, and if you desaturate by 10%, it is **23, 13.369, 311.481**.

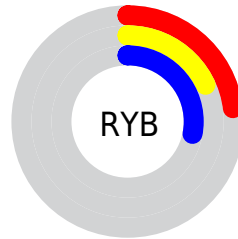
Distribution



 Red (23%)

 Green (18%)

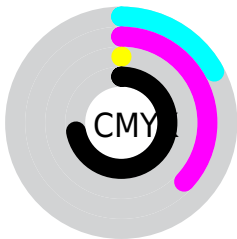
 Blue (28%)



 Red (23%)

 Yellow (18%)

 Blue (28%)

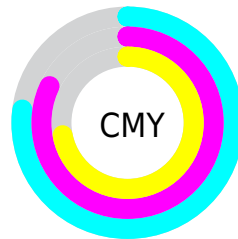


 Cyan (17%)

 Magenta (37%)

 Yellow (0%)

 Black (72%)



 Cyan (77%)

 Magenta (82%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 18.558, 311.929 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, 18.558, 311.929 by changing the saturation by 10% instead.

■ 21, 18.558,
311.929

■ 21, 18.558,
311.929

■ 100, 18.558,
311.929

■ 11, 18.558,
311.929

■ 41, 18.558,
311.929

■ 1, 18.558, 311.929

■ 51, 18.558,
311.929

■ 0, 18.558, 311.929

■ 61, 18.558,
311.929

■ 71, 18.558,
311.929

■ 81, 18.558,
311.929

■ 91, 18.558,

311.929

■ 21, 18.558,
311.929

■ 21, 18.558,
311.929

■ 19, 23.782,
312.380

■ 23, 13.369,
311.481

■ 16, 28.967,
312.811

■ 26, 8.265, 311.048

■ 14, 33.993,
313.190

■ 28, 3.271, 310.633

■ 31, 1.599, 130.318

■ 12, 38.684,
313.467

■ 33, 6.339, 129.948

■ 10, 42.808,
313.583

■ 36, 10.950,
129.635

■ 8, 47.070, 313.838

■ 38, 15.433,
129.356

■ 8, 48.684, 314.012

■ 41, 19.793,
129.108

■ 43, 24.034,
128.887

Harmonies

Complementary

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



21, 18.558, 311.929



28, 17.798, 128.897

Rectangle

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



21, 18.558, 311.929



21, 18.558, 1.929



21, 18.558, 131.929



21, 18.558, 181.929

Sweetspot

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



21, 18.557, 311.929



36, 6.716, 310.829



23, 10.209, 264.259



17, 4.449, 310.850



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



21, 18.557, 311.929



26, 27.776, 312.337



22, 20.014, 327.142



13, 2.752, 310.713



14, 61.688, 313.470



37, 113.471, 312.656

Inverse Universe

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



22, 14.348, 349.005



27, 21.334, 350.050



27, 20.022, 142.987



13, 2.142, 346.369



20, 42.435, 2.731



49, 77.305, 6.378

Previews

White Background



This preview shows how the CIE LCh color 21, 18.558, 311.929 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, 18.558, 311.929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

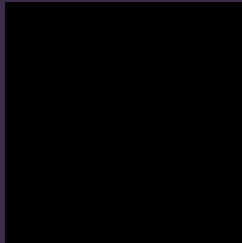
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 18.558, 311.929

Background



This preview shows how black text looks on a background with the CIELCh color 21, 18.558, 311.929.



This preview shows how white text looks on a background with the CIELCh color 21, 18.558, 311.929.

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, 18.558, 311.929

Protanopia

21, 17.021, 283.977

Deuteranopia

21, 13.591, 284.955



Tritanopia
21, 3.857, 348.597

Trichromacy



Original Color
21, 18.558, 311.929

Protanomaly
21, 16.935, 293.970

Deuteranomaly
21, 14.949, 296.588

Tritanomaly
21, 9.309, 320.587

Monochromacy



Original Color
21, 18.558, 311.929

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 7.150, 309.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 18.558, 311.929 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(59, 45, 71)` looks like.

```
.text, #text, p{  
    color:rgb(59, 45, 71)  
}
```

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(59, 45, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 45, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 18.558, 311.929 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(59, 45, 71) }
```

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

```
.border{ border-color:rgb(59, 45, 71) }
```

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

Here you see how a box with a 4 pixel rgb(59, 45, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 45, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 45, 71);  
box-shadow:4px 4px 4px 4px rgb(59, 45, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 18.558, 311.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 45, 71) }
```

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

```
.background{ background-color: rgb(59, 45,  
71) }
```

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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