

Converting Colors

CIELCh(21, 18.017, 319.665)

Have a look what the booklet for
CIELCh(21, 18.017, 319.665)
contains.

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Color

CIELCh(21, 18.100, 319.933)

Conversions

Conversions Part 1

Format	Color
Hex	3F2C44
RGB	63, 44, 68
RGB Percent	25%, 17%, 27%
CMY	0.7540, 0.8284, 0.7344
CMYK	0.07, 0.35, 0.00, 0.73
HSL	287°, 22%, 22%
HSV	287°, 35%, 27%
XYZ	3.9599, 3.2451, 5.8444
YIQ	52.4170, 3.6200, 11.4920

Conversions

Conversions Part 2

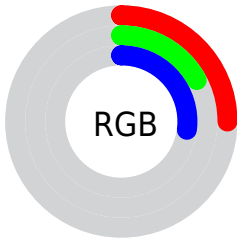
Format	Color
RYB	63, 44, 68
Decimal	4140100
CIELab	21.00, 13.85, -11.65
CIElCh	21, 18.100, 319.933
Yxy	3.2451, 0.3035, 0.2487
Android (android.graphics.Color)	4282330180 (0xFF3F2C44)
YUV	52.4170, 7.6824, 9.2813
Hunter-Lab	18.0142, 7.7131, -6.6257




Details

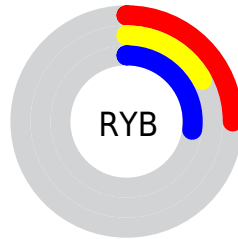
The CIELCh color **21, 18.100, 319.933** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 17.833, 136.911**, and the grayscale version is **22, 0.004, 296.813**.




A 20% lighter version of the original color is **41, 17.889, 319.986**, and **2, 15.642, 318.122** is the 20% darker color. If you saturate the color by 10%, you get **19, 23.186, 320.300**, and if you desaturate by 10%, it is **23, 12.947, 319.543**.

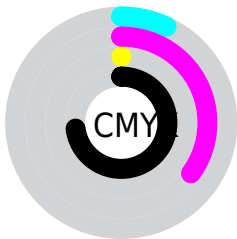
Distribution







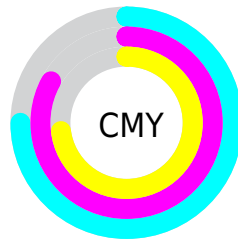
-  Red (25%)
-  Green (17%)
-  Blue (27%)






-  Red (25%)
-  Yellow (17%)
-  Blue (27%)



-  Cyan (7%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (73%)





-  Cyan (75%)
-  Magenta (83%)
-  Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 18.100, 319.933 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, 18.100, 319.933 by changing the saturation by 10% instead.

 21, 18.100,
319.933


 21, 18.100,
319.933

 100, 18.100,
319.933


 11, 18.100,
319.933


 41, 18.100,
319.933


 1, 18.100, 319.933


 51, 18.100,
319.933

 0, 18.100, 319.933

 61, 18.100,
319.933

 71, 18.100,
319.933

 81, 18.100,
319.933

 91, 18.100,

319.933

■ 21, 18.100,
319.933

■ 21, 18.100,
319.933

■ 19, 23.186,
320.300

■ 23, 12.947,
319.543

■ 17, 28.106,
320.627

■ 25, 7.804, 319.144

■ 15, 32.721,
320.889

■ 28, 2.718, 318.731

■ 30, 2.278, 138.429

■ 14, 36.861,
321.057

■ 32, 7.165, 138.038

■ 12, 40.336,
321.098

■ 34, 11.933,
137.690

■ 11, 43.650,
321.140

■ 37, 16.579,
137.367

■ 10, 45.327,
321.206

■ 39, 21.101,
137.067

■ 41, 25.502,
136.789

Harmonies

Complementary

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



21, 18.100, 319.933



27, 17.833, 136.911

Rectangle

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



21, 18.100, 319.933



21, 18.100, 9.933



21, 18.100, 139.933



21, 18.100, 189.933

Sweetspot

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



21, 18.099, 319.933



35, 6.985, 318.985



21, 12.838, 283.909



17, 4.736, 319.008



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, 18.099, 319.933



27, 26.982, 320.244



21, 15.695, 335.846



12, 2.752, 318.863



18, 57.938, 320.848



45, 107.101, 320.317

Inverse Universe

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



21, 12.026, 6.146



26, 18.174, 7.341



26, 15.547, 151.093



12, 1.754, 3.217



18, 44.174, 24.941



47, 84.459, 29.567

Previews

White Background



This preview shows how the CIELCh color 21, 18.100, 319.933 looks on a white background.

Color Contrast Check

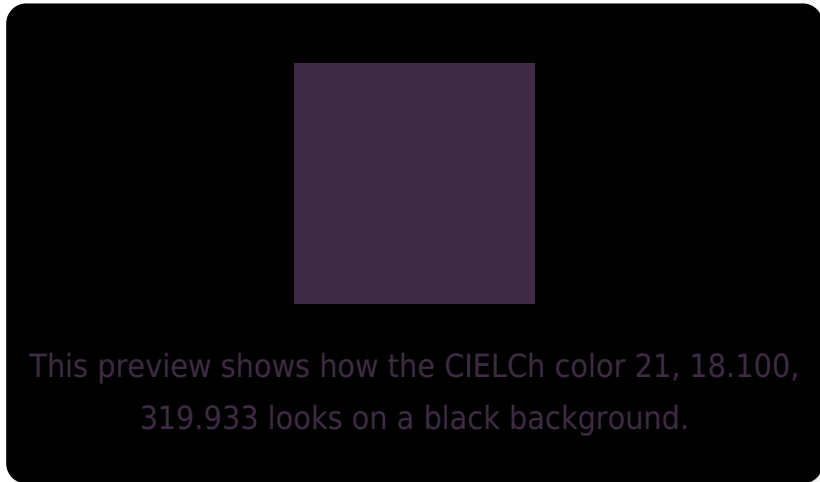
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.100, 319.933

Background



This preview shows how black text looks on a background with the CIELCh color 21, 18.100, 319.933.



This preview shows how white text looks on a background with the CIELCh color 21, 18.100, 319.933.

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, 18.100, 319.933

Protanopia

21, 15.616, 285.276

Deuteranopia

21, 11.519, 286.728



Tritanopia
21, 6.718, 357.296

Trichromacy



Original Color
21, 18.100, 319.933

Protanomaly
21, 15.646, 298.027

Deuteranomaly
21, 13.075, 302.177

Tritanomaly
21, 10.103, 334.409

Monochromacy



Original Color
21, 18.100, 319.933

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 6.875, 318.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 18.100, 319.933 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(63, 44, 68)` looks like.

```
.text, #text, p{  
    color:rgb(63, 44, 68)  
}
```

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(63, 44, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 44, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 18.100, 319.933 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(63, 44, 68) }
```

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

```
.border{ border-color:rgb(63, 44, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 44, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 44, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 44, 68);  
box-shadow:4px 4px 4px 4px rgb(63, 44, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 18.100, 319.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 44, 68) }
```

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

```
.background{ background-color: rgb(63, 44,  
68) }
```

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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