

Converting Colors

CIELCh(21, 63.090, 318.007)

Have a look what the booklet for
CIELCh(21, 63.090, 318.007)
contains.

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Color

CIELCh(21, 63.140, 318.129)

Conversions

Conversions Part 1

Format	Color
Hex	530972
RGB	83, 9, 114
RGB Percent	33%, 4%, 45%
CMY	0.6747, 0.9649, 0.5531
CMYK	0.27, 0.92, 0.00, 0.55
HSL	282°, 85%, 24%
HSV	282°, 92%, 45%
XYZ	6.6956, 3.2451, 16.1809
YIQ	43.0960, 10.3990, 48.3430

Conversions

Conversions Part 2

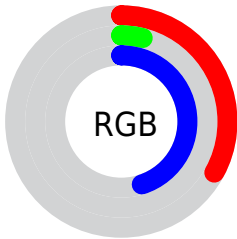
Format	Color
RYB	83, 9, 114
Decimal	5441906
CIELab	21.00, 47.02, -42.14
CIELCh	21, 63.140, 318.129
Yxy	3.2451, 0.2563, 0.1242
Android (android.graphics.Color)	4283631986 (0xFF530972)
YUV	43.0960, 34.9557, 34.9958
Hunter-Lab	18.0142, 34.8205, -40.6462

Details

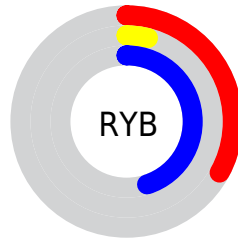
The CIELCh color **21, 63.140, 318.129** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 60.664, 132.571**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 63.492, 317.985**, and **7, 45.581, 313.987** is the 20% darker color. If you saturate the color by 10%, you get **20, 65.887, 317.914**, and if you desaturate by 10%, it is **23, 59.190, 318.373**.

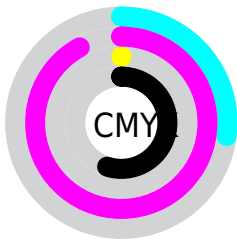
Distribution



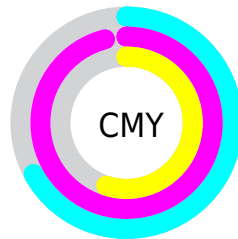
- Red (33%)
- Green (4%)
- Blue (45%)



- Red (33%)
- Yellow (4%)
- Blue (45%)



- Cyan (27%)
- Magenta (92%)
- Yellow (0%)
- Black (55%)





- Cyan (67%)
- Magenta (96%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 63.140, 318.129 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, 63.140, 318.129 by changing the saturation by 10% instead.

 21, 63.140,
318.129


 21, 63.140,
318.129

 100, 63.140,
318.129


 11, 63.140,
318.129


 41, 63.140,
318.129


 1, 63.140, 318.129

 51, 63.140,
318.129

 0, 63.140, 318.129

 61, 63.140,
318.129

 71, 63.140,
318.129

 81, 63.140,
318.129

 91, 63.140,

318.129

■ 21, 63.140,
318.129

■ 21, 63.140,
318.129

■ 20, 65.887,
317.914

■ 23, 59.190,
318.373

■ 25, 53.822,
318.389

■ 28, 47.370,
318.229

■ 30, 40.193,
317.948

■ 34, 32.596,
317.591

■ 37, 24.808,
317.192

■ 40, 16.987,
316.776

■ 44, 9.238, 316.357

■ 47, 1.625, 315.897

Harmonies

Complementary

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



21, 63.140, 318.129



42, 60.664, 132.571

Rectangle

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



21, 63.140, 318.129



21, 63.140, 8.129



21, 63.140, 138.129



21, 63.140, 188.129

Sweetspot

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



21, 63.139, 318.129



49, 26.701, 317.050



19, 49.668, 294.479



23, 18.347, 317.190



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



21, 63.139, 318.129



27, 79.633, 317.679



25, 53.612, 336.944



22, 4.207, 316.224



21, 68.320, 317.864



47, 117.028, 317.347

Inverse Universe

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



23, 45.403, 15.482



31, 58.217, 20.443



41, 58.244, 140.362



22, 2.856, 357.034



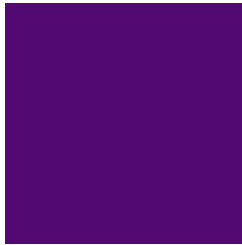
24, 49.696, 19.180



52, 86.446, 22.686

Previews

White Background



This preview shows how the CIELCh color 21, 63.140, 318.129 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 CIELCh color 21, 63.140, 318.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

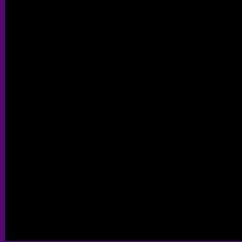
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 63.140, 318.129

Background



This preview shows how black text looks on a background with the CIELCh color 21, 63.140, 318.129.



This preview shows how white text looks on a background with the CIELCh color 21, 63.140, 318.129.

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, 63.140, 318.129

Protanopia

22, 38.568, 284.323

Deuteranopia

22, 28.304, 272.124



Tritanopia
22, 13.323, 13.890

Trichromacy



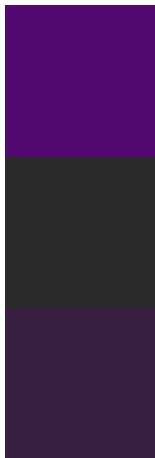
Original Color
21, 63.140, 318.129

Protanomaly
19, 50.004, 299.097

Deuteranomaly
18, 42.903, 296.892

Tritanomaly
20, 31.279, 329.982

Monochromacy



Original Color
21, 63.140, 318.129

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 28.056, 318.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 63.140, 318.129 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(83, 9, 114)` looks like.

```
.text, #text, p{  
    color:rgb(83, 9, 114)  
}
```

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(83, 9, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 9, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 63.140, 318.129 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(83, 9, 114) }
```

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

```
.border{ border-color:rgb(83, 9, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 9, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 9, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 9, 114);  
box-shadow:4px 4px 4px 4px rgb(83, 9, 114)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 63.140, 318.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 9, 114) }
```

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

```
.background{ background-color: rgb(83, 9,  
114) }
```

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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