

Converting Colors

CIELCh(19, 60.969, 333.287)

Have a look what the booklet for
CIELCh(19, 60.969, 333.287)
contains.

CIELCh(21, 52.801, 333.373)	3
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Color

CIELCh(21, 52.801, 333.373)

Conversions

Conversions Part 1

Format	Color
Hex	620056
RGB	98, 0, 86
RGB Percent	38%, 0%, 34%
CMY	0.6155, 1.0000, 0.6622
CMYK	0.00, 1.00, 0.12, 0.62
HSL	307°, 100%, 19%
HSV	307°, 100%, 38%
XYZ	6.7135, 3.2451, 9.1046
YIQ	39.1060, 30.8020, 47.5220

Conversions

Conversions Part 2

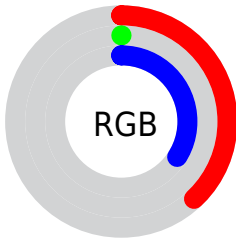
Format	Color
R_{YB}	98, 0, 86
Decimal	6422614
CIE _{Lab}	21.00, 47.20, -23.66
CIE _{LCh}	21, 52.801, 333.373
Yxy	3.2451, 0.3522, 0.1702
Android (android.graphics.Color)	4284612694 (0xFF620056)
YUV	39.1060, 23.1187, 51.6500
Hunter-Lab	18.0142, 34.9979, -17.3559

Details

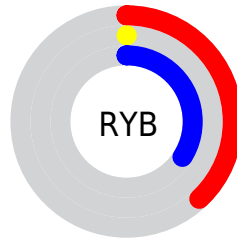
The CIELCh color **21, 52.801, 333.373** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 56.632, 138.029**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 52.529, 333.531**, and **7, 32.435, 334.527** is the 20% darker color. If you saturate the color by 10%, you get **21, 52.439, 333.384**, and if you desaturate by 10%, it is **22, 50.295, 332.868**.

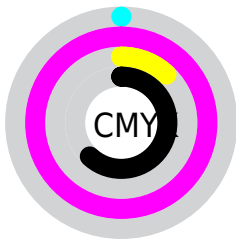
Distribution



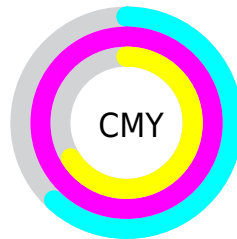
- Red (38%)
- Green (0%)
- Blue (34%)



- Red (38%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (62%)





- Cyan (62%)
- Magenta (100%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 52.801, 333.373 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, 52.801, 333.373 by changing the saturation by 10% instead.

 21, 52.801,
333.373


 21, 52.801,
333.373

 100, 52.801,
333.373


 11, 52.801,
333.373


 41, 52.801,
333.373


 1, 52.801, 333.373


 51, 52.801,
333.373

 0, 52.801, 333.373

 61, 52.801,
333.373

 71, 52.801,
333.373

 81, 52.801,
333.373

 91, 52.801,

333.373

■ 21, 52.801,
333.373

■ 21, 52.801,
333.373

■ 21, 52.439,
333.384

■ 22, 50.295,
332.868

■ 23, 47.620,
332.341

■ 24, 43.725,
331.811

■ 26, 38.795,
331.271

■ 28, 33.075,
330.719

■ 31, 26.812,
330.158

■ 33, 20.223,
329.591

■ 36, 13.480,
329.024

■ 39, 6.712, 328.456

Harmonies

Complementary

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



21, 52.801, 333.373



36, 56.632, 138.029

Rectangle

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



21, 52.801, 333.373



21, 52.801, 23.373



21, 52.801, 153.373



21, 52.801, 203.373

Sweetspot

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



21, 52.439, 333.384



43, 25.092, 329.642



9, 65.660, 307.013



20, 16.951, 329.803



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



21, 52.439, 333.384



29, 63.031, 333.558



19, 41.977, 9.770



18, 3.725, 328.390



25, 57.588, 333.477



55, 100.101, 333.853

Inverse Universe

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



21, 52.439, 333.384



29, 63.031, 333.558



36, 37.797, 157.355



18, 3.725, 328.390



25, 57.588, 333.477



55, 100.101, 333.853

Previews

White Background



This preview shows how the CIELCh color 21, 52.801, 333.373 looks on a white background.

Color Contrast Check

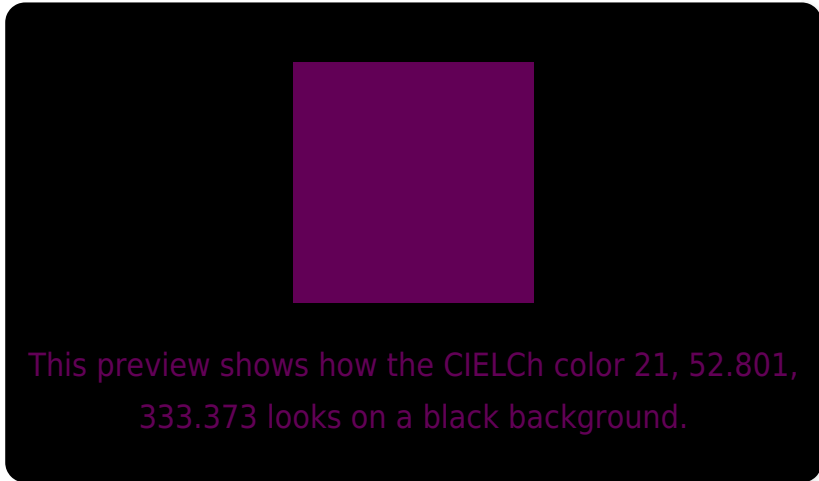
Large Text (above 18pt) WCAG AA ✓ Pass

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

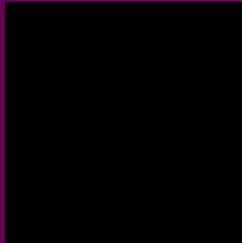
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 52.801, 333.373

Background



This preview shows how black text looks on a background with the CIELCh color 21, 52.801, 333.373.



This preview shows how white text looks on a background with the CIELCh color 21, 52.801, 333.373.

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, 52.386, 333.425

Protanopia

23, 39.665, 284.432

Deuteranopia

23, 18.281, 281.613



Tritanopia
22, 29.963, 24.816

Trichromacy



Original Color
21, 52.386, 333.425

Protanomaly
18, 46.919, 300.784

Deuteranomaly
19, 34.535, 314.598

Tritanomaly
21, 35.484, 357.555

Monochromacy



Original Color
21, 52.386, 333.425

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 25.577, 330.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 52.801, 333.373 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(98, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 86)  
}
```

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(98, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 52.801, 333.373 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(98, 0, 86) }
```

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

```
.border{ border-color:rgb(98, 0, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 0, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 86); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 0, 86); box-shadow:4px  
4px 4px 4px rgb(98, 0, 86) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 52.801, 333.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 86) }
```

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

```
.background{ background-color: rgb(98, 0,  
86) }
```

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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