

Converting Colors

CIELCh(19, 60.457, 333.909)

Have a look what the booklet for
CIELCh(19, 60.457, 333.909)
contains.

CIELCh(21, 52.412, 333.862)	3
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Color

CIELCh(21, 52.412, 333.862)

Conversions

Conversions Part 1

Format	Color
Hex	620055
RGB	98, 0, 85
RGB Percent	38%, 0%, 33%
CMY	0.6149, 1.0000, 0.6656
CMYK	0.00, 1.00, 0.13, 0.61
HSL	308°, 100%, 19%
HSV	308°, 100%, 39%
XYZ	6.6990, 3.2451, 8.9262
YIQ	38.9920, 31.1230, 47.2110

Conversions

Conversions Part 2

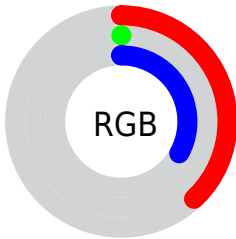
Format	Color
R_{YB}	98, 0, 85
Decimal	6422613
CIE _{Lab}	21.00, 47.05, -23.09
CIE _{LCh}	21, 52.412, 333.862
Yxy	3.2451, 0.3550, 0.1720
Android (android.graphics.Color)	4284612693 (0xFF620055)
YUV	38.9920, 22.6819, 51.7500
Hunter-Lab	18.0142, 34.8542, -16.7687

Details

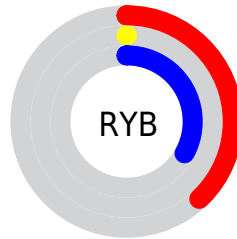
The CIELCh color **21, 52.412, 333.862** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 56.455, 138.207**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 52.140, 333.981**, and **7, 31.992, 335.455** is the 20% darker color. If you saturate the color by 10%, you get **21, 52.111, 333.874**, and if you desaturate by 10%, it is **22, 49.998, 333.320**.

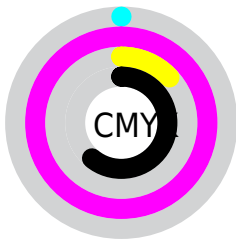
Distribution



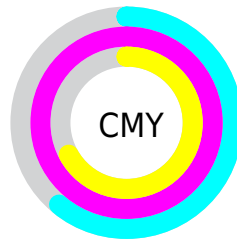
- Red (38%)
- Green (0%)
- Blue (33%)



- Red (38%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (61%)





- Cyan (61%)
- Magenta (100%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 52.412, 333.862 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, 52.412, 333.862 by changing the saturation by 10% instead.

 21, 52.412,
333.862


 21, 52.412,
333.862

 100, 52.412,
333.862


 11, 52.412,
333.862


 41, 52.412,
333.862


 1, 52.412, 333.862

 51, 52.412,
333.862

 0, 52.412, 333.862

 61, 52.412,
333.862

 71, 52.412,
333.862

 81, 52.412,
333.862

 91, 52.412,

333.862

■ 21, 52.412,
333.862

■ 21, 52.412,
333.862

■ 21, 52.111,
333.874

■ 22, 49.998,
333.320

■ 23, 47.351,
332.758

■ 24, 43.484,
332.201

■ 26, 38.583,
331.641

■ 28, 32.894,
331.073

■ 31, 26.664,
330.500

■ 33, 20.110,
329.925

■ 36, 13.404,
329.351

■ 39, 6.673, 328.777

Harmonies

Complementary

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



21, 52.412, 333.862



36, 56.455, 138.207

Rectangle

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



21, 52.412, 333.862



21, 52.412, 23.862



21, 52.412, 153.862



21, 52.412, 203.862

Sweetspot

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



21, 52.111, 333.874



43, 24.918, 329.976



9, 65.736, 307.012



20, 16.834, 330.139



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, 52.111, 333.874



29, 62.552, 334.065



19, 42.026, 9.782



18, 3.699, 328.711



25, 57.157, 333.976



55, 99.306, 334.392

Inverse Universe

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



21, 52.111, 333.874



29, 62.552, 334.065



36, 37.843, 157.350



18, 3.699, 328.711



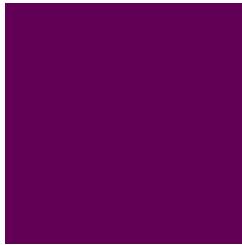
25, 57.157, 333.976



55, 99.306, 334.392

Previews

White Background



This preview shows how the CIE LCh color 21, 52.412, 333.862 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, 52.412, 333.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

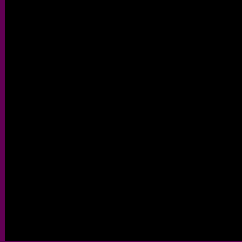
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 52.412, 333.862

Background



This preview shows how black text looks on a background with the CIELCh color 21, 52.412, 333.862.



This preview shows how white text looks on a background with the CIELCh color 21, 52.412, 333.862.

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, 51.996, 333.920

Protanopia

23, 39.665, 284.432

Deuteranopia

23, 17.583, 281.995



Tritanopia
22, 30.445, 24.976

Trichromacy



Original Color
21, 51.996, 333.920

Protanomaly
18, 46.294, 300.714

Deuteranomaly
19, 34.003, 315.599

Tritanomaly
21, 35.792, 358.091

Monochromacy



Original Color
21, 51.996, 333.920

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 25.760, 331.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 52.412, 333.862 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 52.412, 333.862 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, 85) }
```

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

```
.border{ border-color:rgb(98, 0, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 0, 85); box-shadow:4px  
4px 4px 4px rgb(98, 0, 85) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 52.412, 333.862 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, 85) }
```

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

```
.background{ background-color: rgb(98, 0,  
85) }
```

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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