

Converting Colors

CIELCh(21, 43.901, 9.517)

Have a look what the booklet for
CIELCh(21, 43.901, 9.517) contains.

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Color

CIELCh(21, 43.876, 9.507)

Conversions

Conversions Part 1

Format	Color
Hex	6A022A
RGB	106, 2, 42
RGB Percent	42%, 1%, 16%
CMY	0.5855, 0.9937, 0.8362
CMYK	0.00, 0.98, 0.60, 0.59
HSL	337°, 97%, 21%
HSV	337°, 98%, 41%
XYZ	6.3380, 3.2451, 2.4608
YIQ	37.6560, 49.1440, 34.4880

Conversions

Conversions Part 2

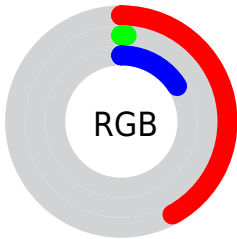
Format	Color
R_{YB}	106, 2, 42
Decimal	6947370
CIE Lab	21.00, 43.27, 7.25
CIE LCh	21, 43.876, 9.507
Yxy	3.2451, 0.5262, 0.2694
Android (android.graphics.Color)	4285137450 (0xFF6A022A)
YUV	37.6560, 2.1416, 59.9377
Hunter-Lab	18.0142, 31.2770, 4.5107

Details

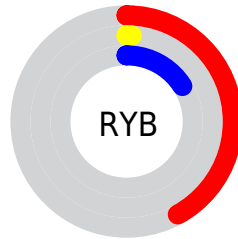
The CIELCh color **21, 43.876, 9.507** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **39, 39.732, 157.227**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 43.722, 9.437**, and **7, 29.200, 22.589** is the 20% darker color. If you saturate the color by 10%, you get **21, 44.264, 10.049**, and if you desaturate by 10%, it is **22, 41.521, 5.727**.

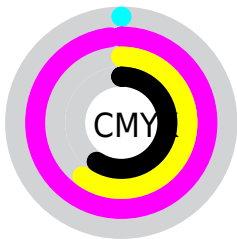
Distribution



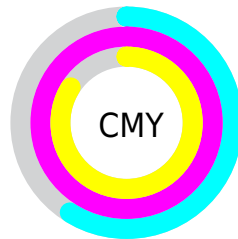
- Red (42%)
- Green (1%)
- Blue (16%)



- Red (42%)
- Yellow (1%)
- Blue (16%)



- Cyan (0%)
- Magenta (98%)
- Yellow (60%)
- Black (59%)



- Cyan (59%)
- Magenta (99%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 43.876, 9.507 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, 43.876, 9.507 by changing the saturation by 10% instead.

 21, 43.876, 9.507  21, 43.876, 9.507

 100, 43.876, 9.507  11, 43.876, 9.507

 41, 43.876, 9.507  1, 43.876, 9.507

 51, 43.876, 9.507  0, 43.876, 9.507

 61, 43.876, 9.507

 71, 43.876, 9.507

 81, 43.876, 9.507

 91, 43.876, 9.507

 21, 43.876, 9.507  21, 43.876, 9.507

 21, 44.264, 10.049  22, 41.521, 5.727

■ 23, 38.667, 2.359

■ 25, 34.910,
359.670

■ 27, 30.428,
357.510

■ 30, 25.450,
355.746

■ 33, 20.198,
354.277

■ 36, 14.847,
353.026

■ 39, 9.524, 351.937

■ 42, 4.309, 350.952

Harmonies

Complementary

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



21, 43.876, 9.507



39, 39.732, 157.227

Rectangle

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



21, 43.876, 9.507



21, 43.876, 59.507



21, 43.876, 189.507



21, 43.876, 239.507

Sweetspot

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



21, 43.874, 9.509



46, 19.468, 353.304



16, 62.997, 314.979



21, 13.213, 353.677



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



21, 43.874, 9.509



28, 53.632, 11.636



21, 50.102, 38.810



21, 2.886, 350.999



24, 47.710, 10.715



52, 82.672, 14.079

Inverse Universe

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



21, 43.874, 9.509



28, 53.632, 11.636



37, 23.353, 213.001



21, 2.886, 350.999



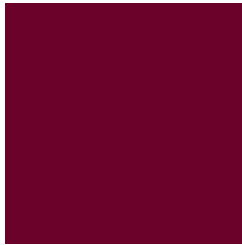
24, 47.710, 10.715



52, 82.672, 14.079

Previews

White Background



This preview shows how the CIE LCh color 21, 43.876, 9.507 looks on a white background.

Color Contrast Check

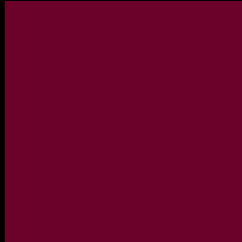
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.876, 9.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

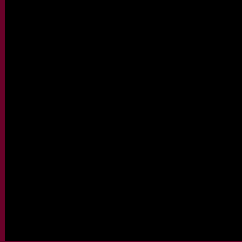
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 43.876, 9.507

Background



This preview shows how black text looks on a background with the CIELCh color 21, 43.876, 9.507.



This preview shows how white text looks on a background with the CIELCh color 21, 43.876, 9.507.

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, 43.876, 9.507

Protanopia

23, 4.693, 285.873

Deuteranopia

23, 12.133, 74.307



Tritanopia
22, 45.605, 34.102

Trichromacy



Original Color
21, 43.876, 9.507

Protanomaly
19, 20.862, 347.608

Deuteranomaly
20, 23.220, 17.650

Tritanomaly
21, 44.250, 25.828

Monochromacy



Original Color
21, 43.876, 9.507

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 20.597, 356.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 43.876, 9.507 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(106, 2, 42)` looks like.

```
.text, #text, p{  
    color:rgb(106, 2, 42)  
}
```

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(106, 2, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 2, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 43.876, 9.507 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(106, 2, 42) }
```

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

```
.border{ border-color:rgb(106, 2, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 2, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 2, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 2, 42);  
box-shadow:4px 4px 4px 4px rgb(106, 2, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 43.876, 9.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 2, 42) }
```

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

```
.background{ background-color: rgb(106, 2,  
42) }
```

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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