

Converting Colors

CIELCh(21, 53.296, 35.936)

Have a look what the booklet for
CIELCh(21, 53.296, 35.936) contains.

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Color

CIELCh(21, 53.050, 36.062)

Conversions

Conversions Part 1

Format	Color
Hex	6D0002
RGB	109, 0, 2
RGB Percent	43%, 0%, 1%
CMY	0.5730, 1.0000, 0.9926
CMYK	0.00, 1.00, 0.98, 0.57
HSL	359°, 100%, 21%
HSV	359°, 100%, 43%
XYZ	6.3016, 3.2451, 0.3481
YIQ	32.8190, 64.3220, 23.7300

Conversions

Conversions Part 2

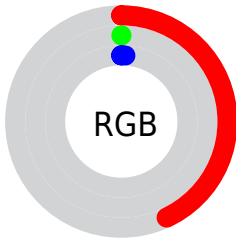
Format	Color
RYB	109, 0, 2
Decimal	7143426
CIELab	21.00, 42.88, 31.23
CIELCh	21, 53.050, 36.062
Yxy	3.2451, 0.6369, 0.3280
Android (android.graphics.Color)	4285333506 (0xFF6D0002)
YUV	32.8190, -15.1938, 66.8107
Hunter-Lab	18.0142, 30.9165, 11.4644

Details

The CIELCh color **21, 53.050, 36.062** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **41, 27.111, 193.899**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 53.277, 35.787**, and **7, 28.690, 22.151** is the 20% darker color. If you saturate the color by 10%, you get **21, 53.030, 36.095**, and if you desaturate by 10%, it is **22, 49.215, 34.457**.

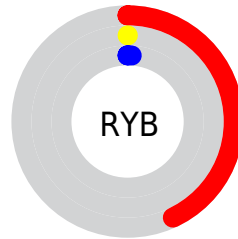
Distribution



Red (43%)

Green (0%)

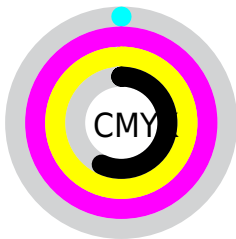
Blue (1%)



Red (43%)

Yellow (0%)

Blue (1%)

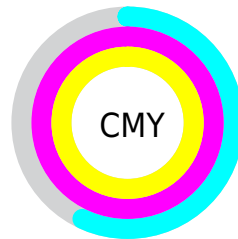


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (57%)



Cyan (57%)

Magenta (100%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 53.050, 36.062 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, 53.050, 36.062 by changing the saturation by 10% instead.

■ 21, 53.050, 36.062

■ 21, 53.050, 36.062

■ 100, 53.050,
36.062

■ 11, 53.050, 36.062

■ 41, 53.050, 36.062

■ 1, 53.050, 36.062

■ 51, 53.050, 36.062

■ 0, 53.050, 36.062

■ 61, 53.050, 36.062

■ 71, 53.050, 36.062

■ 81, 53.050, 36.062

■ 91, 53.050, 36.062

■ 21, 53.050, 36.062

■ 21, 53.050, 36.062

21, 53.030, 36.095

22, 49.215, 34.457

23, 44.149, 31.300

25, 38.354, 28.100

27, 32.347, 25.449

30, 26.332, 23.340

33, 20.465, 21.687

36, 14.854, 20.394

39, 9.561, 19.373

43, 4.611, 18.537

Harmonies

Complementary

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



21, 53.050, 36.062



41, 27.111, 193.899

Rectangle

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



21, 53.050, 36.062



21, 53.050, 86.062



21, 53.050, 216.062



21, 53.050, 266.062

Sweetspot

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



21, 53.030, 36.095



47, 18.606, 20.491



24, 61.848, 326.982



22, 12.739, 20.870



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



21, 53.030, 36.095



29, 66.501, 38.479



28, 45.315, 59.620



21, 2.546, 18.454



23, 56.497, 36.903



51, 100.697, 39.501

Inverse Universe

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



21, 53.030, 36.095



29, 66.501, 38.479



24, 34.497, 278.094



21, 2.546, 18.454



23, 56.497, 36.903



51, 100.697, 39.501

Previews

White Background



This preview shows how the CIE LCh color 21, 53.050, 36.062 looks on a white background.

Color Contrast Check

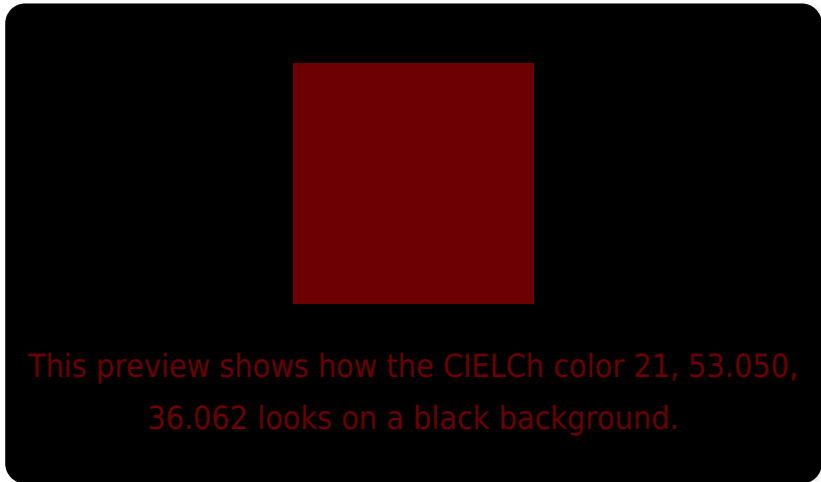
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53.050, 36.062

Background



This preview shows how black text looks on a background with the CIELCh color 21, 53.050, 36.062.



This preview shows how white text looks on a background with the CIELCh color 21, 53.050, 36.062.

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, 53.050, 36.062

Protanopia

23, 25.907, 95.897

Deuteranopia

23, 31.768, 85.928



Tritanopia
22, 51.754, 39.017

Trichromacy



Original Color
21, 53.050, 36.062

Protanomaly
20, 30.966, 52.637

Deuteranomaly
20, 36.298, 52.847

Tritanomaly
21, 52.032, 37.722

Monochromacy



Original Color
21, 53.050, 36.062

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 21.802, 24.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 53.050, 36.062 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(109, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 2)  
}
```

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(109, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 53.050, 36.062 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(109, 0, 2) }
```

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

```
.border{ border-color:rgb(109, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(109, 0, 2); box-shadow:4px  
4px 4px 4px rgb(109, 0, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 53.050, 36.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 2) }
```

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

```
.background{ background-color: rgb(109, 0,  
2) }
```

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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