

Converting Colors

CIELCh(21, 34.865, 59.429)

Have a look what the booklet for
CIELCh(21, 34.865, 59.429) contains.

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Color

CIELCh(21, 34.699, 59.895)

Conversions

Conversions Part 1

Format	Color
Hex	522701
RGB	82, 39, 1
RGB Percent	32%, 15%, 0%
CMY	0.6785, 0.8471, 0.9962
CMYK	0.00, 0.52, 0.99, 0.68
HSL	28°, 98%, 16%
HSV	28°, 99%, 32%
XYZ	4.2084, 3.2451, 0.4327
YIQ	47.5250, 37.8260, -2.7020

Conversions

Conversions Part 2

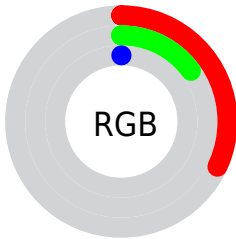
Format	Color
RYB	82, 73, 1
Decimal	5383937
CIELab	21.00, 17.40, 30.02
CIElCh	21, 34.699, 59.895
Yxy	3.2451, 0.5336, 0.4115
Android (android.graphics.Color)	4283574017 (0xFF522701)
YUV	47.5250, -22.9368, 30.2346
Hunter-Lab	18.0142, 10.1756, 11.1859

Details

The CIELCh color **21, 34.699, 59.895** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **18, 27.202, 276.045**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 34.716, 59.901**, and **3, 13.893, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **21, 35.053, 59.706**, and if you desaturate by 10%, it is **22, 31.731, 61.736**.

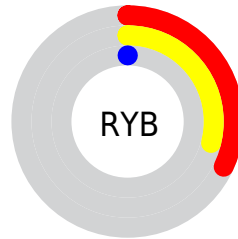
Distribution



Red (32%)

Green (15%)

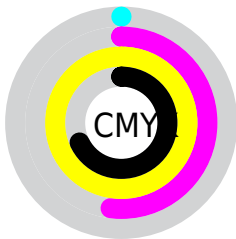
Blue (0%)



Red (32%)

Yellow (29%)

Blue (0%)

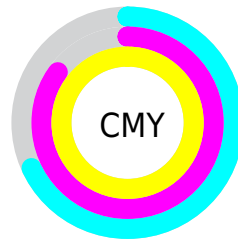


Cyan (0%)

Magenta (52%)

Yellow (99%)

Black (68%)



Cyan (68%)

Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 34.699, 59.895 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, 34.699, 59.895 by changing the saturation by 10% instead.

■ 21, 34.699, 59.895

■ 21, 34.699, 59.895

■ 100, 34.699,
59.895

■ 11, 34.699, 59.895

■ 41, 34.699, 59.895

■ 1, 34.699, 59.895

■ 51, 34.699, 59.895

■ 0, 34.699, 59.895

■ 61, 34.699, 59.895

■ 71, 34.699, 59.895

■ 81, 34.699, 59.895

■ 91, 34.699, 59.895

■ 21, 34.699, 59.895

■ 21, 34.699, 59.895

■ 21, 35.053, 59.706

■ 22, 31.731, 61.736

■ 23, 28.260, 63.377

■ 25, 24.305, 64.550

■ 26, 20.358, 65.651

■ 27, 16.515, 66.732

■ 29, 12.820, 67.810

■ 30, 9.289, 68.889

■ 32, 5.920, 69.961

■ 33, 2.707, 70.998

Harmonies

Complementary

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



21, 34.699, 59.895



18, 27.202, 276.045

Rectangle

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



21, 34.699, 59.895



21, 34.699, 109.895



21, 34.699, 239.895



21, 34.699, 289.895

Sweetspot

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



21, 34.698, 59.898



40, 12.130, 68.645



15, 37.612, 355.171



19, 8.226, 68.392



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



21, 34.698, 59.898



28, 44.656, 59.850



33, 41.200, 100.958



16, 1.711, 71.007



27, 43.753, 59.875



60, 80.748, 57.530

Inverse Universe

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



18, 27.202, 276.045



24, 34.206, 278.281



6, 55.267, 304.658



15, 1.675, 253.076



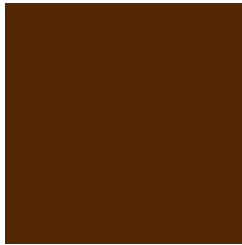
23, 33.542, 278.132



52, 64.076, 281.616

Previews

White Background



This preview shows how the CIELCh color 21, 34.699, 59.895 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, 34.699, 59.895 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, 34.699, 59.895

Background



This preview shows how black text looks on a background with the CIELCh color 21, 34.699, 59.895.



This preview shows how white text looks on a background with the CIELCh color 21, 34.699, 59.895.

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, 34.699, 59.895

Protanopia

21, 27.310, 96.949

Deuteranopia

21, 30.071, 86.092



Tritanopia
21, 23.784, 20.875

Trichromacy



Original Color
21, 34.699, 59.895

Protanomaly
21, 28.096, 80.325

Deuteranomaly
21, 30.838, 75.120

Tritanomaly
21, 27.054, 41.323

Monochromacy



Original Color
21, 34.699, 59.895

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 12.571, 68.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 34.699, 59.895 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(82, 39, 1)` looks like.

```
.text, #text, p{  
    color:rgb(82, 39, 1)  
}
```

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(82, 39, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 39, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 34.699, 59.895 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(82, 39, 1) }
```

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

```
.border{ border-color:rgb(82, 39, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 39, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 39, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 39, 1); box-shadow:4px  
4px 4px 4px rgb(82, 39, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 34.699, 59.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 39, 1) }
```

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

```
.background{ background-color: rgb(82, 39,  
1) }
```

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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