

Converting Colors

CIELCh(21, 39.464, 341.530)

Have a look what the booklet for
CIELCh(21, 39.464, 341.530)
contains.

CIELCh(21, 39.645, 340.917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(21, 39.645, 340.917)

Conversions

Conversions Part 1

Format	Color
Hex	5C1446
RGB	92, 20, 70
RGB Percent	36%, 8%, 27%
CMY	0.6382, 0.9204, 0.7245
CMYK	0.00, 0.78, 0.24, 0.64
HSL	318°, 64%, 22%
HSV	318°, 78%, 36%
XYZ	5.8089, 3.2451, 6.1544
YIQ	47.2280, 26.8620, 30.8140

Conversions

Conversions Part 2

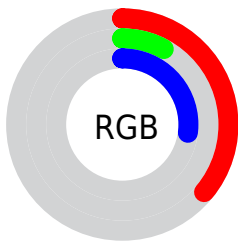
Format	Color
RYB	92, 20, 70
Decimal	6034502
CIELab	21.00, 37.47, -12.96
CIElCh	21, 39.645, 340.917
Yxy	3.2451, 0.3820, 0.2134
Android (android.graphics.Color)	4284224582 (0xFF5C1446)
YUV	47.2280, 11.2266, 39.2650
Hunter-Lab	18.0142, 26.0341, -7.6458

Details

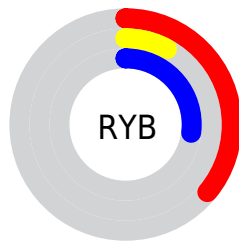
The CIELCh color **21, 39.645, 340.917** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **34, 40.635, 146.394**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 39.409, 341.330**, and **6, 25.812, 347.405** is the 20% darker color. If you saturate the color by 10%, you get **20, 42.092, 342.206**, and if you desaturate by 10%, it is **23, 36.133, 339.810**.

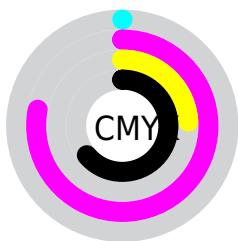
Distribution



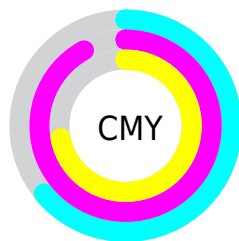
- Red (36%)
- Green (8%)
- Blue (27%)



- Red (36%)
- Yellow (8%)
- Blue (27%)



- Cyan (0%)
- Magenta (78%)
- Yellow (24%)
- Black (64%)





- Cyan (64%)
- Magenta (92%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 39.645, 340.917 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, 39.645, 340.917 by changing the saturation by 10% instead.

 21, 39.645,
340.917


 21, 39.645,
340.917

 100, 39.645,
340.917


 11, 39.645,
340.917


 41, 39.645,
340.917


 1, 39.645, 340.917

 51, 39.645,
340.917

 0, 39.645, 340.917

 61, 39.645,
340.917

 71, 39.645,
340.917

 81, 39.645,
340.917

 91, 39.645,

340.917

■ 21, 39.645,
340.917

■ 21, 39.645,
340.917

■ 20, 42.092,
342.206

■ 23, 36.133,
339.810

■ 19, 43.925,
343.590

■ 24, 31.767,
338.834

■ 19, 44.319,
343.854

■ 27, 26.782,
337.953

■ 29, 21.400,
337.145

■ 32, 15.804,
336.391

■ 34, 10.129,
335.681

■ 37, 4.472, 334.994

■ 40, 1.102, 154.589

■ 43, 6.556, 153.851

Harmonies

Complementary

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



21, 39.645, 340.917



34, 40.635, 146.394

Rectangle

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



21, 39.645, 340.917



21, 39.645, 30.917



21, 39.645, 160.917



21, 39.645, 210.917

Sweetspot

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



21, 39.643, 340.917



43, 16.090, 336.083



14, 49.347, 307.567



20, 11.231, 336.264



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



21, 39.643, 340.917



26, 52.111, 343.552



20, 34.793, 16.729



17, 3.121, 335.052



23, 49.829, 344.296



53, 86.779, 345.698

Inverse Universe

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



21, 39.643, 340.917



26, 52.111, 343.552



35, 25.490, 175.350



17, 3.121, 335.052



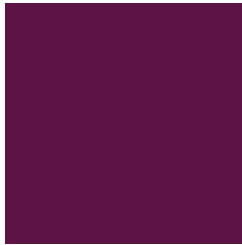
23, 49.829, 344.296



53, 86.779, 345.698

Previews

White Background



This preview shows how the CIE LCh color 21, 39.645, 340.917 looks on a white background.

Color Contrast Check

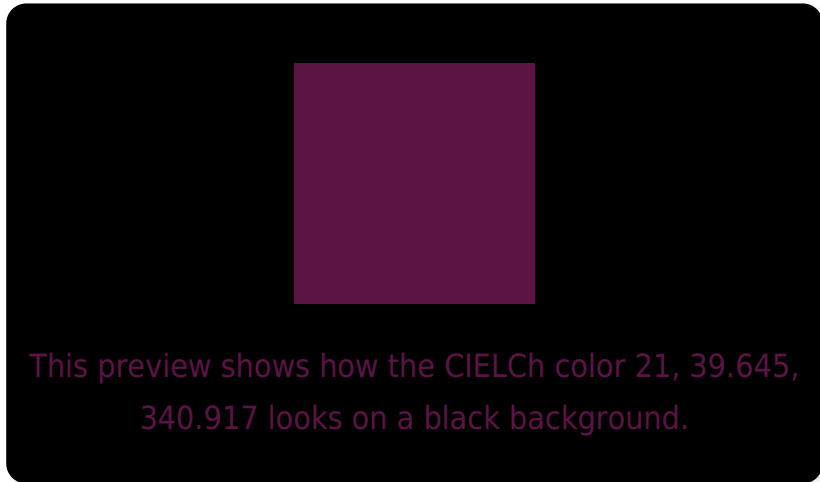
Large Text (above 18pt) WCAG AA ✓ Pass

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

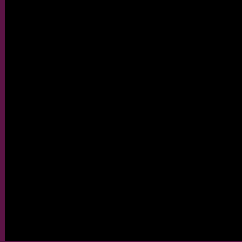
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 39.645, 340.917

Background



This preview shows how black text looks on a background with the CIELCh color 21, 39.645, 340.917.



This preview shows how white text looks on a background with the CIELCh color 21, 39.645, 340.917.

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, 39.645, 340.917

Protanopia

22, 29.042, 285.337

Deuteranopia

22, 10.105, 290.089



Tritanopia
21, 28.792, 25.731

Trichromacy



Original Color
21, 39.645, 340.917

Protanomaly
20, 30.986, 305.786

Deuteranomaly
20, 21.582, 323.236

Tritanomaly
21, 30.382, 5.478

Monochromacy



Original Color
21, 39.645, 340.917

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 16.860, 337.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 39.645, 340.917 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(92, 20, 70)` looks like.

```
.text, #text, p{  
    color:rgb(92, 20, 70)  
}
```

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(92, 20, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 20, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 39.645, 340.917 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(92, 20, 70) }
```

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

```
.border{ border-color:rgb(92, 20, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 20, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 20, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 20, 70);  
box-shadow:4px 4px 4px 4px rgb(92, 20, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 39.645, 340.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 20, 70) }
```

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

```
.background{ background-color: rgb(92, 20,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor