

Converting Colors

CIELCh(21, 38.417, 343.869)

Have a look what the booklet for
CIELCh(21, 38.417, 343.869)
contains.

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Color

CIELCh(21, 38.417, 344.003)

Conversions

Conversions Part 1

Format	Color
Hex	5D1543
RGB	93, 21, 67
RGB Percent	36%, 8%, 26%
CMY	0.6362, 0.9186, 0.7381
CMYK	0.00, 0.78, 0.28, 0.64
HSL	322°, 63%, 22%
HSV	322°, 78%, 36%
XYZ	5.7615, 3.2451, 5.6007
YIQ	47.7720, 28.1460, 29.5700

Conversions

Conversions Part 2

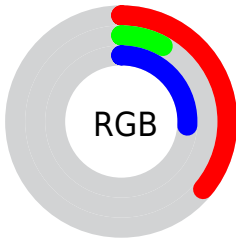
Format	Color
RYB	93, 21, 67
Decimal	6100291
CIELab	21.00, 36.93, -10.59
CIElCh	21, 38.417, 344.003
Yxy	3.2451, 0.3944, 0.2222
Android (android.graphics.Color)	4284290371 (0xFF5D1543)
YUV	47.7720, 9.4794, 39.6650
Hunter-Lab	18.0142, 25.5645, -5.8236

Details

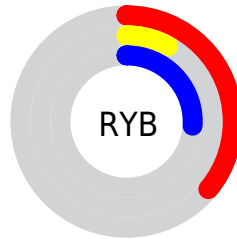
The CIELCh color **21, 38.417, 344.003** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 38.886, 148.529**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 38.110, 344.179**, and **6, 25.616, 351.399** is the 20% darker color. If you saturate the color by 10%, you get **20, 40.849, 345.584**, and if you desaturate by 10%, it is **23, 34.948, 342.677**.

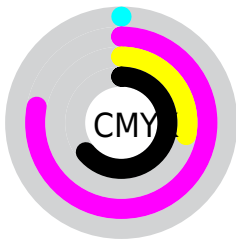
Distribution



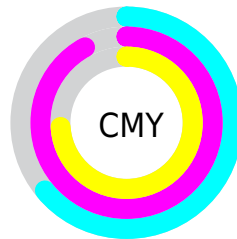
- Red (36%)
- Green (8%)
- Blue (26%)



- Red (36%)
- Yellow (8%)
- Blue (26%)



- Cyan (0%)
- Magenta (78%)
- Yellow (28%)
- Black (64%)





- Cyan (64%)
- Magenta (92%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 38.417, 344.003 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, 38.417, 344.003 by changing the saturation by 10% instead.

 21, 38.417,
344.003


 21, 38.417,
344.003

 100, 38.417,
344.003


 11, 38.417,
344.003


 41, 38.417,
344.003


 1, 38.417, 344.003

 51, 38.417,
344.003

 0, 38.417, 344.003

 61, 38.417,
344.003

 71, 38.417,
344.003

 81, 38.417,
344.003

 91, 38.417,

344.003

■ 21, 38.417,
344.003

■ 21, 38.417,
344.003

■ 20, 40.849,
345.584

■ 23, 34.948,
342.677

■ 19, 42.640,
347.318

■ 25, 30.657,
341.537

■ 19, 43.099,
347.710

■ 27, 25.778,
340.534

■ 29, 20.529,
339.631

■ 32, 15.089,
338.806

■ 34, 9.588, 338.040

■ 37, 4.118, 337.306

■ 40, 1.262, 156.860

■ 43, 6.516, 156.111

Harmonies

Complementary

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



21, 38.417, 344.003



34, 38.886, 148.529

Rectangle

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



21, 38.417, 344.003



21, 38.417, 34.003



21, 38.417, 164.003



21, 38.417, 214.003

Sweetspot

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



21, 38.415, 344.004



42, 15.494, 338.499



15, 49.172, 308.687



20, 10.817, 338.695



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, 38.415, 344.004



26, 50.329, 347.125



20, 35.306, 20.513



17, 3.001, 337.395



23, 48.277, 348.260



52, 84.071, 350.065

Inverse Universe

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



21, 38.415, 344.004



26, 50.329, 347.125



35, 24.365, 180.090



17, 3.001, 337.395



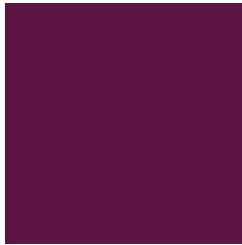
23, 48.277, 348.260



52, 84.071, 350.065

Previews

White Background



This preview shows how the CIE LCh color 21, 38.417, 344.003 looks on a white background.

Color Contrast Check

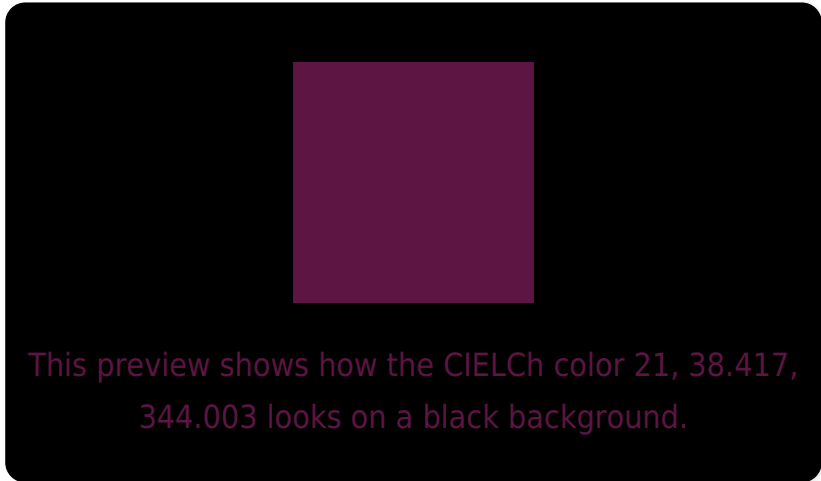
Large Text (above 18pt) WCAG AA ✓ Pass

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

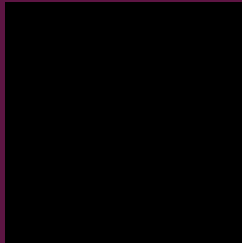
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 38.417, 344.003

Background



This preview shows how black text looks on a background with the CIELCh color 21, 38.417, 344.003.



This preview shows how white text looks on a background with the CIELCh color 21, 38.417, 344.003.

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, 38.417, 344.003

Protanopia

22, 25.696, 285.086

Deuteranopia

22, 8.105, 295.016



Tritanopia
21, 29.651, 24.956

Trichromacy



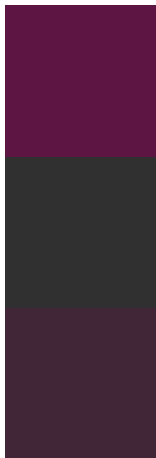
Original Color
21, 38.417, 344.003

Protanomaly
20, 28.564, 308.739

Deuteranomaly
20, 19.868, 329.703

Tritanomaly
21, 30.738, 7.206

Monochromacy



Original Color
21, 38.417, 344.003

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 16.433, 339.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 38.417, 344.003 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(93, 21, 67)` looks like.

```
.text, #text, p{  
    color:rgb(93, 21, 67)  
}
```

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(93, 21, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 21, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 38.417, 344.003 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(93, 21, 67) }
```

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

```
.border{ border-color:rgb(93, 21, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 21, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 21, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 21, 67);  
box-shadow:4px 4px 4px 4px rgb(93, 21, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 38.417, 344.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 21, 67) }
```

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

```
.background{ background-color: rgb(93, 21,  
67) }
```

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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