

Converting Colors

CIELCh(18, 21.969, 343.223)

Have a look what the booklet for
CIELCh(18, 21.969, 343.223)
contains.

CIELCh(18, 21.969, 343.223)	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(18, 21.969, 343.223)

Conversions

Conversions Part 1

Format	Color
Hex	452036
RGB	69, 32, 54
RGB Percent	27%, 13%, 21%
CMY	0.7314, 0.8763, 0.7900
CMYK	0.00, 0.54, 0.22, 0.73
HSL	324°, 37%, 20%
HSV	324°, 54%, 27%
XYZ	3.5788, 2.5180, 3.7312
YIQ	45.5710, 14.9900, 14.6860

Conversions

Conversions Part 2

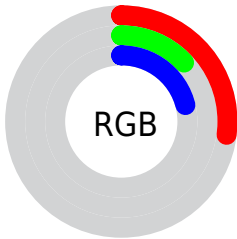
Format	Color
R_{YB}	69, 32, 54
Decimal	4530230
CIE _{Lab}	18.00, 21.03, -6.34
CIE _{LCh}	18, 21.969, 343.223
Yxy	2.5180, 0.3641, 0.2562
Android (android.graphics.Color)	4282720310 (0xFF452036)
YUV	45.5710, 4.1555, 20.5472
Hunter-Lab	15.8683, 12.4878, -2.8333




Details

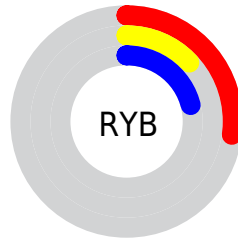
The CIELCh color **18, 21.969, 343.223** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 21.378, 154.145**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 21.641, 342.596**, and **2, 9.144, 356.020** is the 20% darker color. If you saturate the color by 10%, you get **16, 25.541, 344.343**, and if you desaturate by 10%, it is **20, 18.076, 342.235**.

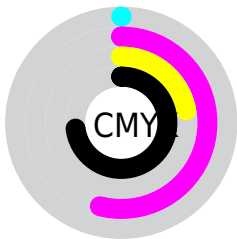
Distribution







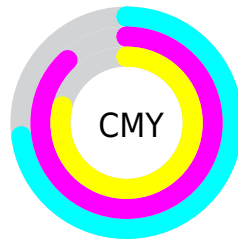
-  Red (27%)
-  Green (13%)
-  Blue (21%)






-  Red (27%)
-  Yellow (13%)
-  Blue (21%)



-  Cyan (0%)
-  Magenta (54%)
-  Yellow (22%)
-  Black (73%)





-  Cyan (73%)
-  Magenta (88%)
-  Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 21.969, 343.223 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 18, 21.969, 343.223 by changing the saturation by 10% instead.

 18, 21.969,
343.223


 18, 21.969,
343.223


 100, 21.969,
343.223


 8, 21.969, 343.223


 38, 21.969,
343.223

 0, 21.969, 343.223

 48, 21.969,
343.223

 58, 21.969,
343.223


 68, 21.969,
343.223


 78, 21.969,
343.223


 88, 21.969,


343.223


 98, 21.969,
343.223


 18, 21.969,
343.223


 18, 21.969,
343.223

 16, 25.541,
344.343


 20, 18.076,
342.235

 15, 28.636,
345.638

 22, 14.003,
341.347


 14, 31.088,
347.170

 24, 9.852, 340.535

 13, 33.177,
348.800

 26, 5.701, 339.780

 28, 1.600, 339.014

 12, 34.597,
349.675

 30, 2.418, 158.553

■ 33, 6.336, 157.909

■ 35, 10.145,
157.336

■ 37, 13.841,
156.803

Harmonies

Complementary

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



18, 21.969, 343.223



26, 21.378, 154.145

Rectangle

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



18, 21.969, 343.223



18, 21.969, 33.223



18, 21.969, 163.223



18, 21.969, 213.223

Sweetspot

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



18, 21.968, 343.224



34, 8.165, 339.981



16, 26.497, 308.407



16, 5.563, 340.046



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 21.968, 343.224



22, 32.017, 344.803



17, 19.027, 17.312



12, 2.202, 339.377



19, 43.410, 351.243



49, 79.003, 353.765

Inverse Universe

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



18, 21.968, 343.224



22, 32.017, 344.803



26, 14.420, 187.377



12, 2.202, 339.377



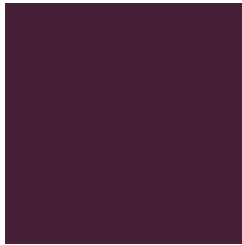
19, 43.410, 351.243



49, 79.003, 353.765

Previews

White Background



This preview shows how the CIELCh color 18, 21.969, 343.223 looks on a white background.

Color Contrast Check

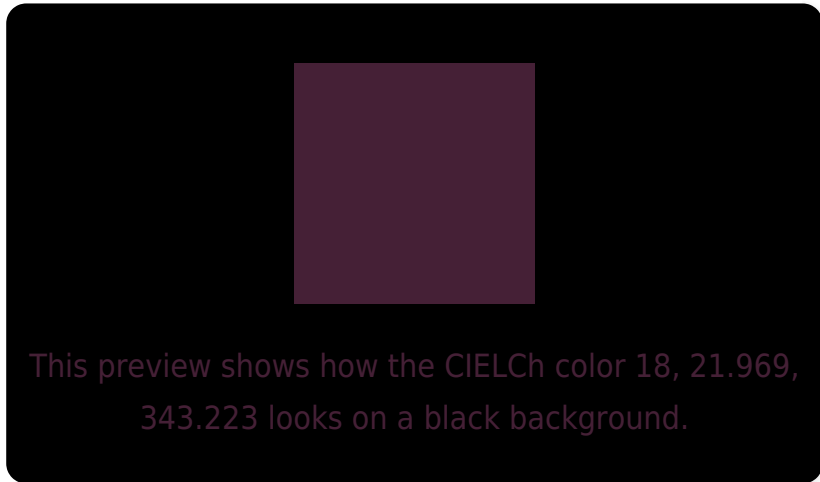
Large Text (above 18pt) WCAG AA ✓ Pass

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

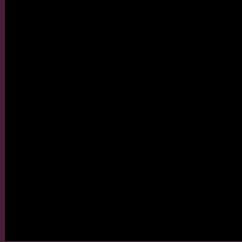
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 21.969, 343.223

Background



This preview shows how black text looks on a background with the CIELCh color 18, 21.969, 343.223.



This preview shows how white text looks on a background with the CIELCh color 18, 21.969, 343.223.

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

18, 21.969, 343.223

Protanopia

18, 13.173, 284.754

Deuteranopia

18, 5.603, 300.768



Tritanopia
18, 16.348, 16.667

Trichromacy



Original Color
18, 21.969, 343.223

Protanomaly
18, 15.338, 311.327

Deuteranomaly
18, 11.840, 327.612

Tritanomaly
18, 17.665, 1.979

Monochromacy



Original Color
18, 21.969, 343.223

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.606, 341.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 21.969, 343.223 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(69, 32, 54)` looks like.

```
.text, #text, p{  
    color:rgb(69, 32, 54)  
}
```

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(69, 32, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 32, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 21.969, 343.223 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(69, 32, 54) }
```

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

```
.border{ border-color:rgb(69, 32, 54) }
```

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

Here you see how a box with a 4 pixel rgb(69, 32, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 32, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 32, 54);  
box-shadow:4px 4px 4px 4px rgb(69, 32, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 21.969, 343.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 32, 54) }
```

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

```
.background{ background-color: rgb(69, 32,  
54) }
```

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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