

Converting Colors

CIELCh(18, 20.188, 341.826)

Have a look what the booklet for
CIELCh(18, 20.188, 341.826)
contains.

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Color

CIELCh(18, 19.977, 342.212)

Conversions

Conversions Part 1

Format	Color
Hex	422135
RGB	66, 33, 53
RGB Percent	26%, 13%, 21%
CMY	0.7406, 0.8700, 0.7916
CMYK	0.00, 0.50, 0.20, 0.74
HSL	324°, 33%, 19%
HSV	324°, 50%, 26%
XYZ	3.4515, 2.5180, 3.6903
YIQ	45.1470, 13.2480, 13.2160

Conversions

Conversions Part 2

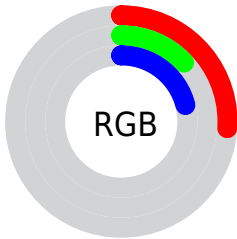
Format	Color
R_{YB}	66, 33, 53
Decimal	4333877
CIE Lab	18.00, 19.02, -6.10
CIE LCh	18, 19.977, 342.212
Yxy	2.5180, 0.3573, 0.2607
Android (android.graphics.Color)	4282523957 (0xFF422135)
YUV	45.1470, 3.8715, 18.2881
Hunter-Lab	15.8683, 11.0552, -2.6804

Details

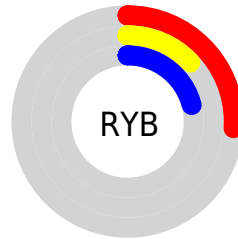
The CIELCh color **18, 19.977, 342.212** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **25, 19.483, 154.168**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 20.368, 341.423**, and **1, 7.021, 355.698** is the 20% darker color. If you saturate the color by 10%, you get **16, 23.618, 343.238**, and if you desaturate by 10%, it is **20, 16.083, 341.296**.

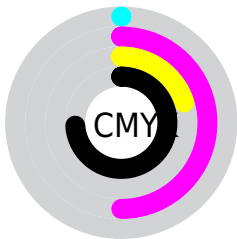
Distribution



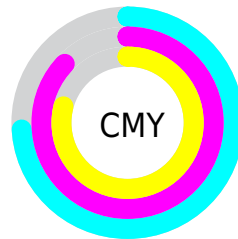
- Red (26%)
- Green (13%)
- Blue (21%)



- Red (26%)
- Yellow (13%)
- Blue (21%)



- Cyan (0%)
- Magenta (50%)
- Yellow (20%)
- Black (74%)





- Cyan (74%)
- Magenta (87%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 19.977, 342.212 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, 19.977, 342.212 by changing the saturation by 10% instead.

 18, 19.977,
342.212


 18, 19.977,
342.212


 100, 19.977,
342.212


 8, 19.977, 342.212


 38, 19.977,
342.212

 0, 19.977, 342.212

 48, 19.977,
342.212


 58, 19.977,
342.212


 68, 19.977,
342.212


 78, 19.977,
342.212


 88, 19.977,


342.212

 98, 19.977,
342.212

 18, 19.977,
342.212


 18, 19.977,
342.212

 16, 23.618,
343.238


 20, 16.083,
341.296

 15, 26.865,
344.408

 22, 12.059,
340.463


 14, 29.555,
345.771

 24, 7.992, 339.695

 12, 31.679,
347.325

 26, 3.947, 338.968

 28, 0.038, 162.834

 11, 33.997,
348.710

 30, 3.934, 157.782

■ 11, 34.023,
348.724

■ 32, 7.730, 157.185

■ 35, 11.418,
156.636

■ 37, 14.998,
156.122

Harmonies

Complementary

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



18, 19.977, 342.212



25, 19.483, 154.168

Rectangle

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



18, 19.977, 342.212



18, 19.977, 32.212



18, 19.977, 162.212



18, 19.977, 212.212

Sweetspot

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



18, 19.976, 342.213



33, 7.523, 339.383



16, 23.686, 307.619



15, 5.055, 339.444



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 19.976, 342.213



22, 29.451, 343.538



17, 16.932, 15.268



12, 2.219, 338.868



19, 43.630, 350.398



49, 79.377, 352.817

Inverse Universe

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



18, 19.976, 342.213



22, 29.451, 343.538



26, 13.297, 186.174



12, 2.219, 338.868



19, 43.630, 350.398



49, 79.377, 352.817

Previews

White Background



This preview shows how the CIE LCh color 18, 19.977, 342.212 looks on a white background.

Color Contrast Check

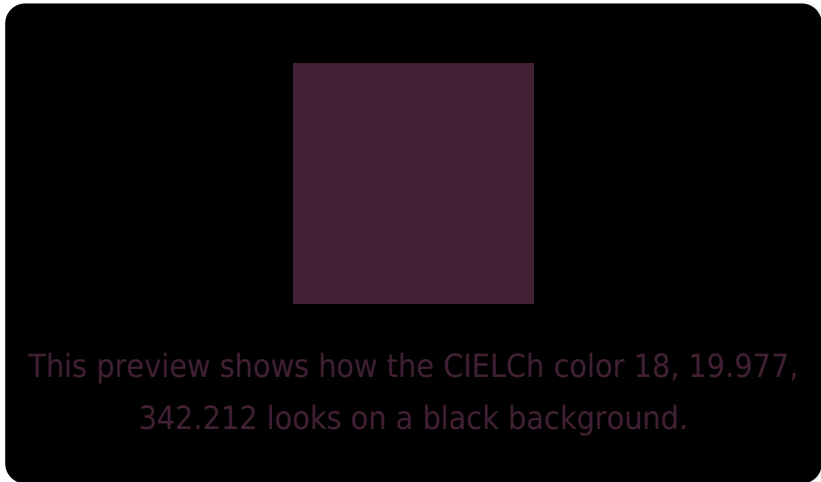
Large Text (above 18pt) WCAG AA ✓ Pass

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

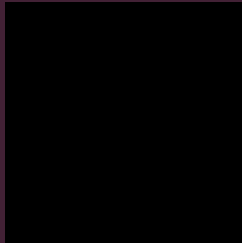
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 19.977, 342.212

Background



This preview shows how black text looks on a background with the CIELCh color 18, 19.977, 342.212.



This preview shows how white text looks on a background with the CIELCh color 18, 19.977, 342.212.

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, 19.977, 342.212

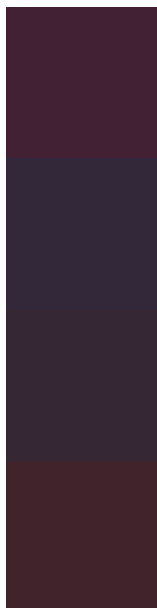
Protanopia
18, 11.778, 285.155

Deuteranopia
18, 4.925, 301.969



Tritanopia
18, 14.771, 15.396

Trichromacy



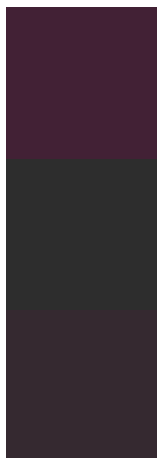
Original Color
18, 19.977, 342.212

Protanomaly
18, 13.240, 312.192

Deuteranomaly
18, 10.218, 327.756

Tritanomaly
18, 15.698, 0.894

Monochromacy



Original Color
18, 19.977, 342.212

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 7.445, 340.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 19.977, 342.212 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(66, 33, 53)` looks like.

```
.text, #text, p{  
    color:rgb(66, 33, 53)  
}
```

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(66, 33, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 33, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 19.977, 342.212 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(66, 33, 53) }
```

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

```
.border{ border-color:rgb(66, 33, 53) }
```

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

Here you see how a box with a 4 pixel rgb(66, 33, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 33, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 33, 53);  
box-shadow:4px 4px 4px 4px rgb(66, 33, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 19.977, 342.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 33, 53) }
```

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

```
.background{ background-color: rgb(66, 33,  
53) }
```

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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