

Converting Colors

CIELCh(20, 31.927, 342.617)

Have a look what the booklet for
CIELCh(20, 31.927, 342.617)
contains.

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Color

CIELCh(20, 31.998, 342.340)

Conversions

Conversions Part 1

Format	Color
Hex	531B3F
RGB	83, 27, 63
RGB Percent	33%, 11%, 25%
CMY	0.6742, 0.8938, 0.7527
CMYK	0.00, 0.67, 0.24, 0.67
HSL	321°, 51%, 22%
HSV	321°, 67%, 33%
XYZ	4.8663, 2.9891, 5.0328
YIQ	47.8480, 21.8200, 23.0680

Conversions

Conversions Part 2

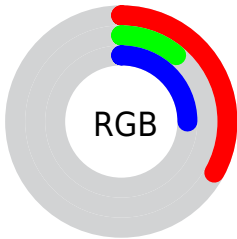
Format	Color
RYB	83, 27, 63
Decimal	5446463
CIELab	20.00, 30.49, -9.71
CIELCh	20, 31.998, 342.340
Yxy	2.9891, 0.3776, 0.2319
Android (android.graphics.Color)	4283636543 (0xFF531B3F)
YUV	47.8480, 7.4699, 30.8283
Hunter-Lab	17.2889, 19.9871, -5.1572

Details

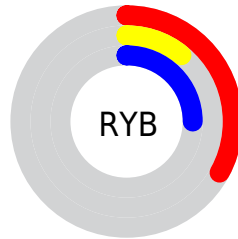
The CIELCh color **20, 31.998, 342.340** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **31, 31.774, 150.134**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 31.993, 342.414**, and **4, 20.909, 351.212** is the 20% darker color. If you saturate the color by 10%, you get **18, 35.276, 343.605**, and if you desaturate by 10%, it is **22, 28.000, 341.246**.

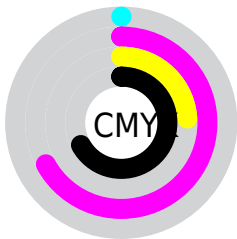
Distribution



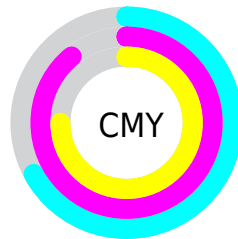
- Red (33%)
- Green (11%)
- Blue (25%)



- Red (33%)
- Yellow (11%)
- Blue (25%)



- Cyan (0%)
- Magenta (67%)
- Yellow (24%)
- Black (67%)





- Cyan (67%)
- Magenta (89%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 31.998, 342.340 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 20, 31.998, 342.340 by changing the saturation by 10% instead.

 20, 31.998,
342.340


 20, 31.998,
342.340


 100, 31.998,
342.340


 10, 31.998,
342.340


 40, 31.998,
342.340

 0, 31.998, 342.340

 50, 31.998,
342.340

 60, 31.998,
342.340

 70, 31.998,
342.340

 80, 31.998,
342.340

 90, 31.998,

342.340

■ 20, 31.998,
342.340

■ 20, 31.998,
342.340

■ 18, 35.276,
343.605

■ 22, 28.000,
341.246

■ 17, 37.648,
345.102

■ 24, 23.496,
340.277

■ 16, 39.584,
346.684

■ 26, 18.676,
339.401

■ 16, 40.131,
347.068

■ 28, 13.693,
338.598

■ 31, 8.661, 337.850

■ 33, 3.659, 337.130

■ 36, 1.261, 156.687

■ 39, 6.068, 155.961

■ 41, 10.746,
155.377

Harmonies

Complementary

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



20, 31.998, 342.340



31, 31.774, 150.134

Rectangle

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



20, 31.998, 342.340



20, 31.998, 32.340



20, 31.998, 162.340



20, 31.998, 212.340

Sweetspot

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



20, 31.996, 342.341



39, 12.294, 338.089



16, 39.124, 307.975



18, 8.296, 338.205



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



20, 31.996, 342.341



24, 44.024, 344.517



19, 28.094, 17.011



15, 2.722, 337.224



22, 46.814, 347.854



51, 82.872, 349.745

Inverse Universe

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



20, 31.996, 342.341



24, 44.024, 344.517



32, 20.468, 181.331



15, 2.722, 337.224



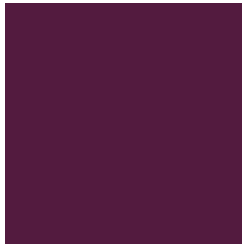
22, 46.814, 347.854



51, 82.872, 349.745

Previews

White Background



This preview shows how the CIELCh color 20, 31.998, 342.340 looks on a white background.

Color Contrast Check

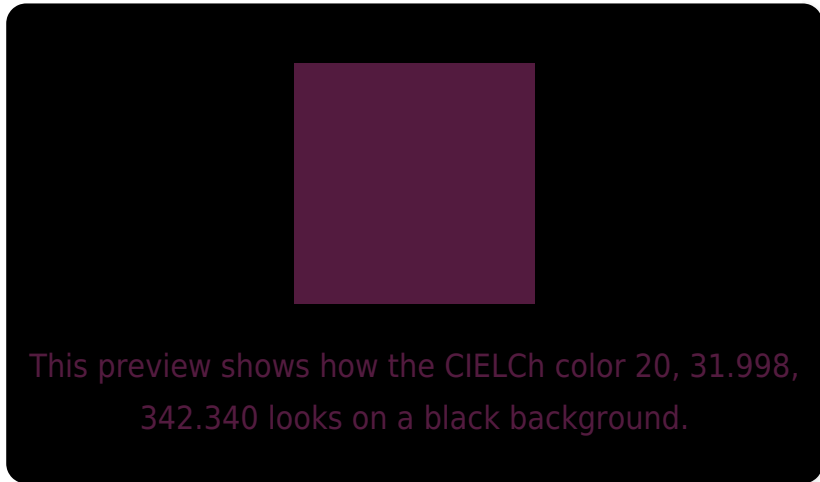
Large Text (above 18pt) WCAG AA ✓ Pass

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

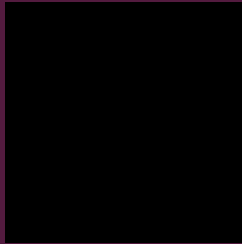
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 31.998, 342.340

Background



This preview shows how black text looks on a background with the CIELCh color 20, 31.998, 342.340.



This preview shows how white text looks on a background with the CIELCh color 20, 31.998, 342.340.

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

20, 31.998, 342.340

Protanopia

21, 20.481, 284.034

Deuteranopia

20, 8.181, 295.088



Tritanopia
20, 24.081, 22.685

Trichromacy



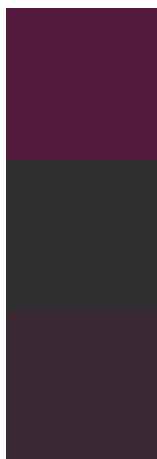
Original Color
20, 31.998, 342.340

Protanomaly
19, 22.511, 308.016

Deuteranomaly
19, 16.976, 326.055

Tritanomaly
20, 25.604, 4.612

Monochromacy



Original Color
20, 31.998, 342.340

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 13.093, 340.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 31.998, 342.340 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(83, 27, 63)` looks like.

```
.text, #text, p{  
    color:rgb(83, 27, 63)  
}
```

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(83, 27, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 27, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 31.998, 342.340 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(83, 27, 63) }
```

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

```
.border{ border-color:rgb(83, 27, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 27, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 27, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 27, 63);  
box-shadow:4px 4px 4px 4px rgb(83, 27, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 31.998, 342.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 27, 63) }
```

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

```
.background{ background-color: rgb(83, 27,  
63) }
```

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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