

Converting Colors

CIELCh(20, 42.165, 356.420)

Have a look what the booklet for
CIELCh(20, 42.165, 356.420)
contains.

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Color

CIELCh(20, 42.228, 356.698)

Conversions

Conversions Part 1

Format	Color
Hex	630335
RGB	99, 3, 53
RGB Percent	39%, 1%, 21%
CMY	0.6112, 0.9874, 0.7917
CMYK	0.00, 0.97, 0.46, 0.61
HSL	329°, 94%, 20%
HSV	329°, 97%, 39%
XYZ	5.8426, 2.9891, 3.6524
YIQ	37.4040, 41.1660, 35.9020

Conversions

Conversions Part 2

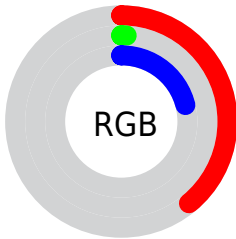
Format	Color
R _Y B	99, 3, 53
Decimal	6488885
CIE Lab	20.00, 42.16, -2.43
CIE LCh	20, 42.228, 356.698
Yxy	2.9891, 0.4680, 0.2394
Android (android.graphics.Color)	4284678965 (0xFF630335)
YUV	37.4040, 7.6888, 54.0197
Hunter-Lab	17.2889, 30.0672, -0.4231

Details

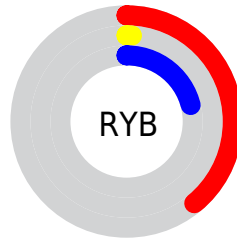
The CIELCh color **20, 42.228, 356.698** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 43.112, 150.180**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 42.293, 357.052**, and **7, 26.717, 15.231** is the 20% darker color. If you saturate the color by 10%, you get **20, 42.868, 357.537**, and if you desaturate by 10%, it is **21, 40.391, 354.005**.

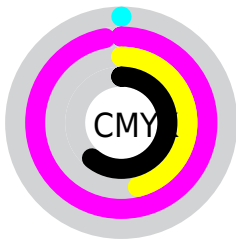
Distribution



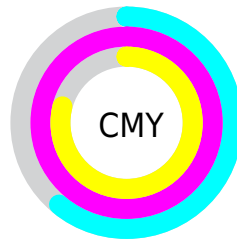
- Red (39%)
- Green (1%)
- Blue (21%)



- Red (39%)
- Yellow (1%)
- Blue (21%)



- Cyan (0%)
- Magenta (97%)
- Yellow (46%)
- Black (61%)




- Cyan (61%)
- Magenta (99%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 42.228, 356.698 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, 42.228, 356.698 by changing the saturation by 10% instead.

 20, 42.228,
356.698

 20, 42.228,
356.698

 100, 42.228,
356.698

 10, 42.228,
356.698


 40, 42.228,
356.698

 0, 42.228, 356.698

 50, 42.228,
356.698

 60, 42.228,
356.698

 70, 42.228,
356.698

 80, 42.228,
356.698

 90, 42.228,

356.698

■ 20, 42.228,
356.698

■ 20, 42.228,
356.698

■ 20, 42.868,
357.537

■ 21, 40.391,
354.005

■ 22, 37.791,
351.678

■ 24, 34.193,
349.793

■ 26, 29.814,
348.235

■ 29, 24.894,
346.919

■ 31, 19.656,
345.781

■ 34, 14.275,
344.776

■ 37, 8.876, 343.871

■ 40, 3.544, 343.019

Harmonies

Complementary

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



20, 42.228, 356.698



36, 43.112, 150.180

Rectangle

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



20, 42.228, 356.698



20, 42.228, 46.698



20, 42.228, 176.698



20, 42.228, 226.698

Sweetspot

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



20, 42.226, 356.699



44, 19.360, 345.078



13, 60.839, 311.752



21, 13.399, 345.387



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



20, 42.226, 356.699



27, 51.797, 358.799



19, 47.450, 33.920



18, 2.891, 343.199



23, 46.687, 358.143



52, 81.048, 0.829

Inverse Universe

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



20, 42.226, 356.699



27, 51.797, 358.799



38, 25.414, 191.812



18, 2.891, 343.199



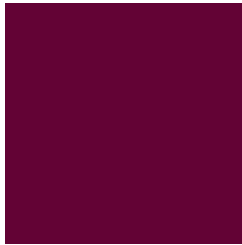
23, 46.687, 358.143



52, 81.048, 0.829

Previews

White Background



This preview shows how the CIE LCh color 20, 42.228, 356.698 looks on a white background.

Color Contrast Check

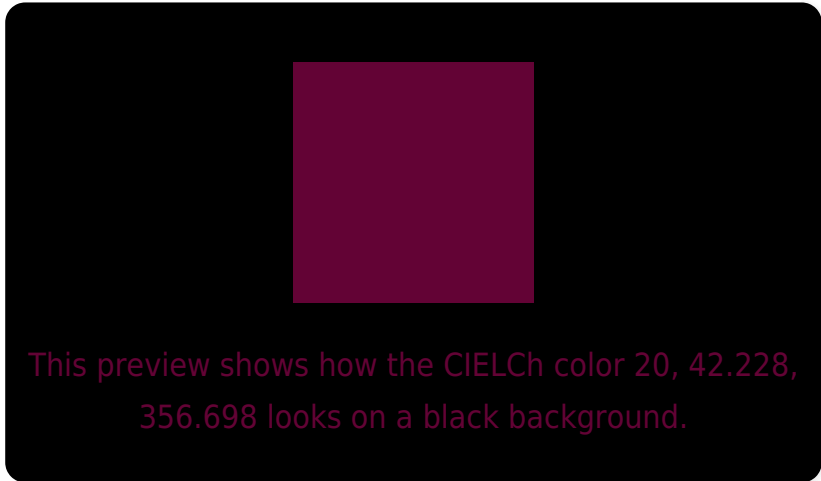
Large Text (above 18pt) WCAG AA ✓ Pass

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

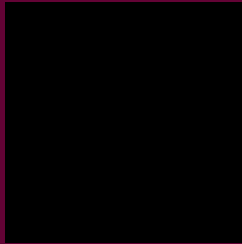
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 42.228, 356.698

Background



This preview shows how black text looks on a background with the CIELCh color 20, 42.228, 356.698.



This preview shows how white text looks on a background with the CIELCh color 20, 42.228, 356.698.

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, 42.228, 356.698

Protanopia

22, 16.973, 283.885

Deuteranopia

22, 3.889, 29.996



Tritanopia
21, 40.108, 31.581

Trichromacy



Original Color
20, 42.228, 356.698

Protanomaly
18, 25.837, 322.349

Deuteranomaly
19, 21.708, 352.034

Tritanomaly
20, 38.933, 18.132

Monochromacy



Original Color
20, 42.228, 356.698

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 20.533, 346.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 42.228, 356.698 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(99, 3, 53)` looks like.

```
.text, #text, p{  
    color:rgb(99, 3, 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(99, 3, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 3, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 42.228, 356.698 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(99, 3, 53) }
```

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

```
.border{ border-color:rgb(99, 3, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 3, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 3, 53); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 3, 53); box-shadow:4px  
4px 4px 4px rgb(99, 3, 53) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 42.228, 356.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 3, 53) }
```

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

```
.background{ background-color: rgb(99, 3,  
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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