

Converting Colors

CIELCh(20, 30.610, 357.100)

Have a look what the booklet for
CIELCh(20, 30.610, 357.100)
contains.

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Color

CIELCh(20, 30.647, 357.873)

Conversions

Conversions Part 1

Format	Color
Hex	571A33
RGB	87, 26, 51
RGB Percent	34%, 10%, 20%
CMY	0.6594, 0.8986, 0.8005
CMYK	0.00, 0.70, 0.41, 0.66
HSL	335°, 54%, 22%
HSV	335°, 70%, 34%
XYZ	4.8770, 2.9891, 3.4368
YIQ	47.0890, 28.3310, 20.7070

Conversions

Conversions Part 2

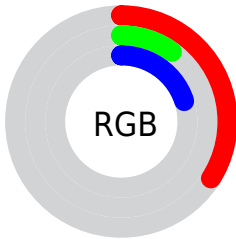
Format	Color
R_{YB}	87, 26, 51
Decimal	5708339
CIE Lab	20.00, 30.63, -1.14
CIE LCh	20, 30.647, 357.873
Yxy	2.9891, 0.4315, 0.2645
Android (android.graphics.Color)	4283898419 (0xFF571A33)
YUV	47.0890, 1.9281, 35.0019
Hunter-Lab	17.2889, 20.0974, 0.3162

Details

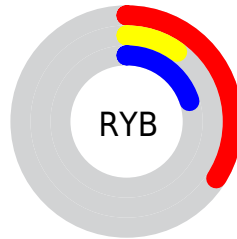
The CIELCh color **20, 30.647, 357.873** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 27.678, 161.130**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 30.736, 358.351**, and **5, 21.712, 15.542** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.800, 0.373**, and if you desaturate by 10%, it is **22, 26.860, 355.852**.

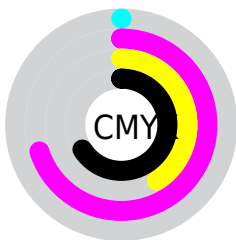
Distribution



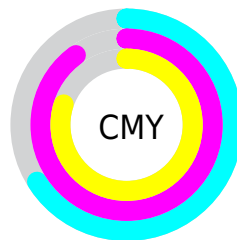
- Red (34%)
- Green (10%)
- Blue (20%)



- Red (34%)
- Yellow (10%)
- Blue (20%)



- Cyan (0%)
- Magenta (70%)
- Yellow (41%)
- Black (66%)





- Cyan (66%)
- Magenta (90%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 30.647, 357.873 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, 30.647, 357.873 by changing the saturation by 10% instead.

 20, 30.647,
357.873


 20, 30.647,
357.873


 100, 30.647,
357.873


 10, 30.647,
357.873


 40, 30.647,
357.873

 0, 30.647, 357.873

 50, 30.647,
357.873

 60, 30.647,
357.873

 70, 30.647,
357.873

 80, 30.647,
357.873

 90, 30.647,

357.873

■ 20, 30.647,
357.873

■ 20, 30.647,
357.873

■ 18, 33.800, 0.373

■ 22, 26.860,
355.852

■ 17, 36.194, 3.467

■ 24, 22.637,
354.187

■ 16, 38.516, 6.462

■ 26, 18.159,
352.789

■ 29, 13.576,
351.589

■ 31, 8.996, 350.538

■ 34, 4.489, 349.590

■ 37, 0.101, 346.444

■ 40, 4.146, 168.126

■ 42, 8.244, 167.415

Harmonies

Complementary

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



20, 30.647, 357.873



33, 27.678, 161.130

Rectangle

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



20, 30.647, 357.873



20, 30.647, 47.873



20, 30.647, 177.873



20, 30.647, 227.873

Sweetspot

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



20, 30.645, 357.874



40, 11.556, 350.684



18, 42.197, 314.678



19, 7.750, 350.841



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



20, 30.645, 357.874



24, 42.400, 2.316



20, 30.487, 33.175



16, 2.448, 349.455



21, 44.600, 7.895



50, 79.608, 11.560

Inverse Universe

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



20, 30.645, 357.874



24, 42.400, 2.316



32, 18.104, 207.401



16, 2.448, 349.455



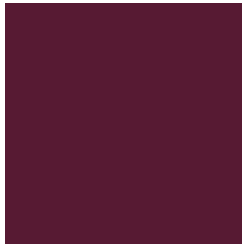
21, 44.600, 7.895



50, 79.608, 11.560

Previews

White Background



This preview shows how the CIELCh color 20, 30.647, 357.873 looks on a white background.

Color Contrast Check

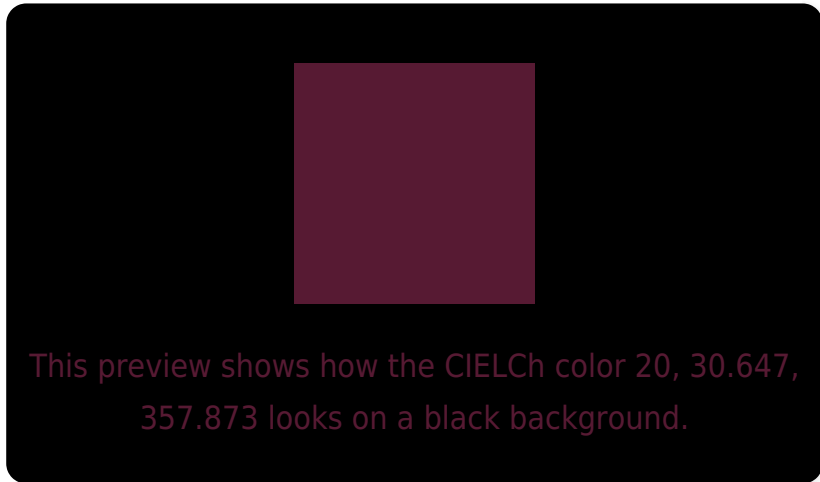
Large Text (above 18pt) WCAG AA ✓ Pass

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

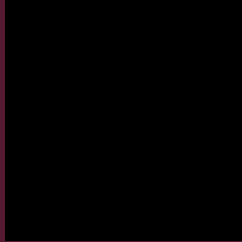
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 30.647, 357.873

Background



This preview shows how black text looks on a background with the CIELCh color 20, 30.647, 357.873.



This preview shows how white text looks on a background with the CIELCh color 20, 30.647, 357.873.

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, 30.647, 357.873

Protanopia

21, 10.926, 284.125

Deuteranopia

21, 3.346, 20.039



Tritanopia
20, 28.852, 24.936

Trichromacy



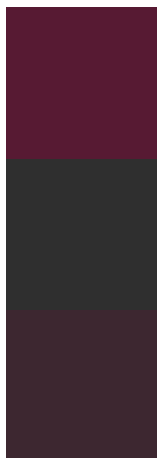
Original Color
20, 30.647, 357.873

Protanomaly
20, 15.415, 325.924

Deuteranomaly
20, 14.170, 357.743

Tritanomaly
20, 28.738, 14.060

Monochromacy



Original Color
20, 30.647, 357.873

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 12.097, 352.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 30.647, 357.873 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(87, 26, 51)` looks like.

```
.text, #text, p{  
    color:rgb(87, 26, 51)  
}
```

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(87, 26, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 26, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 30.647, 357.873 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(87, 26, 51) }
```

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

```
.border{ border-color:rgb(87, 26, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 26, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 26, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 26, 51);  
box-shadow:4px 4px 4px 4px rgb(87, 26, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 30.647, 357.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 26, 51) }
```

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

```
.background{ background-color: rgb(87, 26,  
51) }
```

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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