

Converting Colors

CIELCh(21, 36.857, 327.829)

Have a look what the booklet for
CIELCh(21, 36.857, 327.829)
contains.

CIELCh(21, 37.067, 327.931)	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(21, 37.067, 327.931)

Conversions

Conversions Part 1

Format	Color
Hex	511E50
RGB	81, 30, 80
RGB Percent	32%, 12%, 31%
CMY	0.6828, 0.8828, 0.6867
CMYK	0.00, 0.63, 0.01, 0.68
HSL	301°, 46%, 22%
HSV	301°, 63%, 32%
XYZ	5.2894, 3.2451, 7.9162
YIQ	50.9490, 14.3460, 26.3620

Conversions

Conversions Part 2

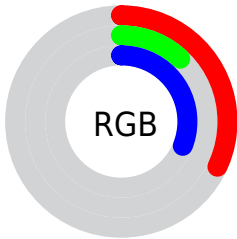
Format	Color
RYB	81, 30, 80
Decimal	5316176
CIELab	21.00, 31.41, -19.68
CIElCh	21, 37.067, 327.931
Yxy	3.2451, 0.3215, 0.1973
Android (android.graphics.Color)	4283506256 (0xFF511E50)
YUV	50.9490, 14.3221, 26.3547
Hunter-Lab	18.0142, 20.8865, -13.4445

Details

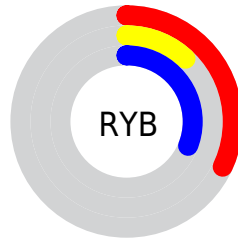
The CIELCh color **21, 37.067, 327.931** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **30, 37.442, 140.008**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 36.527, 328.166**, and **5, 27.329, 328.166** is the 20% darker color. If you saturate the color by 10%, you get **20, 41.477, 328.280**, and if you desaturate by 10%, it is **23, 31.942, 327.529**.

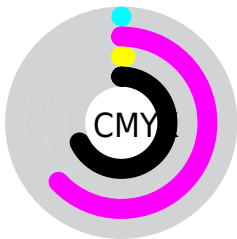
Distribution



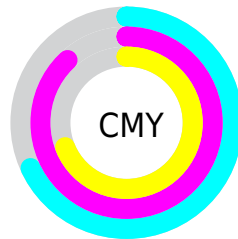
- Red (32%)
- Green (12%)
- Blue (31%)



- Red (32%)
- Yellow (12%)
- Blue (31%)



- Cyan (0%)
- Magenta (63%)
- Yellow (1%)
- Black (68%)



- Cyan (68%)
- Magenta (88%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 37.067, 327.931 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 21, 37.067, 327.931 by changing the saturation by 10% instead.

■ 21, 37.067,
327.931

■ 21, 37.067,
327.931

■ 100, 37.067,
327.931

■ 11, 37.067,
327.931

■ 41, 37.067,
327.931

■ 1, 37.067, 327.931

■ 51, 37.067,
327.931

■ 0, 37.067, 327.931

■ 61, 37.067,
327.931

■ 71, 37.067,
327.931

■ 81, 37.067,
327.931

■ 91, 37.067,

327.931

■ 21, 37.067,
327.931

■ 21, 37.067,
327.931

■ 20, 41.477,
328.280

■ 23, 31.942,
327.529

■ 18, 44.990,
328.567

■ 25, 26.306,
327.083

■ 18, 47.654,
328.799

■ 27, 20.344,
326.607

■ 17, 49.519,
328.956

■ 29, 14.210,
326.111

■ 31, 8.020, 325.602

■ 34, 1.862, 325.044

■ 36, 4.206, 144.656

■ 39, 10.146,
144.156

■ 41, 15.936,
143.686

Harmonies

Complementary

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



21, 37.067, 327.931



30, 37.442, 140.008

Rectangle

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



21, 37.067, 327.931



21, 37.067, 17.931



21, 37.067, 147.931



21, 37.067, 197.931

Sweetspot

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



21, 37.066, 327.931



39, 14.477, 325.940



14, 35.860, 299.373



19, 10.048, 326.028



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



21, 37.066, 327.931



26, 52.051, 328.449



20, 27.215, 351.278



15, 3.454, 325.377



23, 59.142, 328.982



55, 105.953, 329.035

Inverse Universe

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



21, 37.066, 327.931



26, 52.051, 328.449



30, 25.577, 158.172



15, 3.454, 325.377



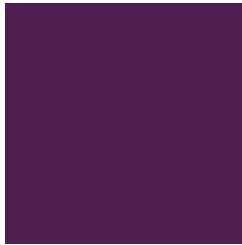
23, 59.142, 328.982



55, 105.953, 329.035

Previews

White Background



This preview shows how the CIE LCh color 21, 37.067, 327.931 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



This preview shows how the CIE LCh color 21, 37.067, 327.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

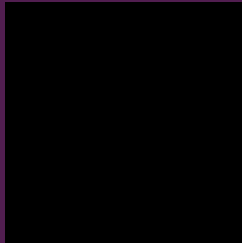
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 37.067, 327.931

Background



This preview shows how black text looks on a background with the CIELCh color 21, 37.067, 327.931.



This preview shows how white text looks on a background with the CIELCh color 21, 37.067, 327.931.

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

21, 37.067, 327.931

Protanopia

21, 32.487, 285.458

Deuteranopia

21, 17.081, 281.601



Tritanopia
21, 18.068, 19.556

Trichromacy



Original Color
21, 37.067, 327.931

Protanomaly
20, 32.536, 298.286

Deuteranomaly
20, 23.668, 307.294

Tritanomaly
21, 22.182, 350.932

Monochromacy



Original Color
21, 37.067, 327.931

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 15.336, 325.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 37.067, 327.931 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(81, 30, 80)` looks like.

```
.text, #text, p{  
    color:rgb(81, 30, 80)  
}
```

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(81, 30, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 30, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 37.067, 327.931 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(81, 30, 80) }
```

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

```
.border{ border-color:rgb(81, 30, 80) }
```

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

Here you see how a box with a 4 pixel rgb(81, 30, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 30, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 30, 80);  
box-shadow:4px 4px 4px 4px rgb(81, 30, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 37.067, 327.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 30, 80) }
```

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

```
.background{ background-color: rgb(81, 30,  
80) }
```

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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