

Converting Colors

CIELCh(21, 32.885, 336.434)

Have a look what the booklet for
CIELCh(21, 32.885, 336.434)
contains.

CIELCh(21, 32.885, 336.434)	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, 32.885, 336.434)

Conversions

Conversions Part 1

Format	Color
Hex	531E46
RGB	83, 30, 70
RGB Percent	33%, 12%, 27%
CMY	0.6732, 0.8811, 0.7243
CMYK	0.00, 0.64, 0.16, 0.67
HSL	315°, 47%, 22%
HSV	315°, 64%, 33%
XYZ	5.1846, 3.2451, 6.1992
YIQ	50.4070, 18.7480, 23.6760

Conversions

Conversions Part 2

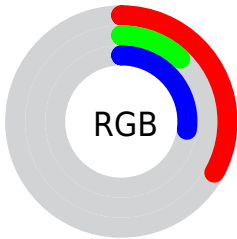
Format	Color
R_{YB}	83, 30, 70
Decimal	5447238
CIE _{Lab}	21.00, 30.14, -13.15
CIE _{LCh}	21, 32.885, 336.434
Yxy	3.2451, 0.3544, 0.2218
Android (android.graphics.Color)	4283637318 (0xFF531E46)
YUV	50.4070, 9.6593, 28.5841
Hunter-Lab	18.0142, 19.8486, -7.7935

Details

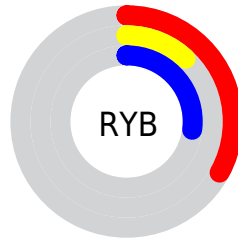
The CIELCh color **21, 32.885, 336.434** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **31, 33.090, 146.494**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 32.953, 336.526**, and **5, 23.196, 341.271** is the 20% darker color. If you saturate the color by 10%, you get **19, 36.688, 337.265**, and if you desaturate by 10%, it is **23, 28.394, 335.666**.

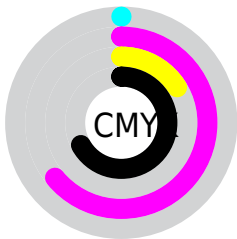
Distribution



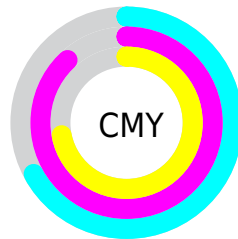
- Red (33%)
- Green (12%)
- Blue (27%)



- Red (33%)
- Yellow (12%)
- Blue (27%)



- Cyan (0%)
- Magenta (64%)
- Yellow (16%)
- Black (67%)





- Cyan (67%)
- Magenta (88%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 32.885, 336.434 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, 32.885, 336.434 by changing the saturation by 10% instead.

 21, 32.885,
336.434


 21, 32.885,
336.434

 100, 32.885,
336.434


 11, 32.885,
336.434


 41, 32.885,
336.434


 1, 32.885, 336.434


 51, 32.885,
336.434

 0, 32.885, 336.434

 61, 32.885,
336.434

 71, 32.885,
336.434

 81, 32.885,
336.434

 91, 32.885,

336.434

■ 21, 32.885,
336.434

■ 21, 32.885,
336.434

■ 19, 36.688,
337.265

■ 23, 28.394,
335.666

■ 18, 39.601,
338.184

■ 25, 23.428,
334.943

■ 17, 41.681,
339.188

■ 27, 18.171,
334.255

■ 17, 43.052,
339.796

■ 30, 12.769,
333.598

■ 32, 7.332, 332.962

■ 35, 1.936, 332.299

■ 37, 3.372, 151.868

■ 40, 8.560, 151.293

■ 42, 13.613,
150.768

Harmonies

Complementary

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



21, 32.885, 336.434



31, 33.090, 146.494

Rectangle

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



21, 32.885, 336.434



21, 32.885, 26.434



21, 32.885, 156.434



21, 32.885, 206.434

Sweetspot

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



21, 32.884, 336.434



39, 12.624, 333.342



16, 36.981, 304.602



18, 8.591, 333.448



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, 32.884, 336.434



25, 45.536, 337.702



20, 26.426, 7.060



15, 2.948, 332.651



22, 50.160, 340.236



52, 88.928, 341.307

Inverse Universe

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



21, 32.884, 336.434



25, 45.536, 337.702



32, 21.703, 171.890



15, 2.948, 332.651



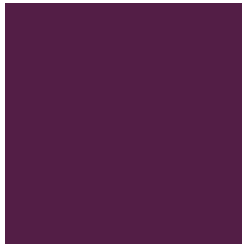
22, 50.160, 340.236



52, 88.928, 341.307

Previews

White Background



This preview shows how the CIE LCh color 21, 32.885, 336.434 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, 32.885, 336.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

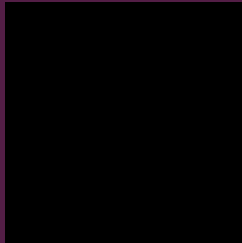
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 32.885, 336.434

Background



This preview shows how black text looks on a background with the CIELCh color 21, 32.885, 336.434.



This preview shows how white text looks on a background with the CIELCh color 21, 32.885, 336.434.

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, 32.885, 336.434

Protanopia

21, 25.081, 285.360

Deuteranopia

22, 10.819, 286.108



Tritanopia
21, 21.167, 19.430

Trichromacy



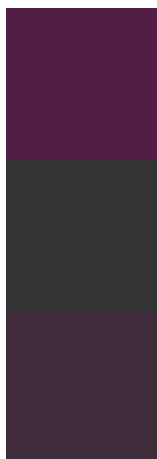
Original Color
21, 32.885, 336.434

Protanomaly
20, 26.109, 303.787

Deuteranomaly
21, 18.573, 317.756

Tritanomaly
21, 23.685, 357.974

Monochromacy



Original Color
21, 32.885, 336.434

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 13.563, 334.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 32.885, 336.434 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, 30, 70)` looks like.

```
.text, #text, p{  
    color:rgb(83, 30, 70)  
}
```

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, 30, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 30, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 32.885, 336.434 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, 30, 70) }
```

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

```
.border{ border-color:rgb(83, 30, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 30, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 30, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 30, 70);  
box-shadow:4px 4px 4px 4px rgb(83, 30, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 32.885, 336.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 30, 70) }
```

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

```
.background{ background-color: rgb(83, 30,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor