

Converting Colors

CIELCh(21, 9.447, 310.912)

Have a look what the booklet for
CIELCh(21, 9.447, 310.912) contains.

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Color

CIELCh(21, 9.363, 311.224)

Conversions

Conversions Part 1

Format	Color
Hex	37303D
RGB	55, 48, 61
RGB Percent	22%, 19%, 24%
CMY	0.7849, 0.8123, 0.7614
CMYK	0.10, 0.21, 0.00, 0.76
HSL	272°, 12%, 21%
HSV	272°, 21%, 24%
XYZ	3.4564, 3.2451, 4.8375
YIQ	51.5750, -0.0010, 5.5270

Conversions

Conversions Part 2

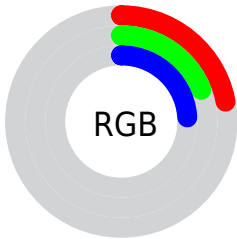
Format	Color
R_{YB}	55, 48, 61
Decimal	3616829
CIE Lab	21.00, 6.17, -7.04
CIE LCh	21, 9.363, 311.224
Yxy	3.2451, 0.2995, 0.2812
Android (android.graphics.Color)	4281806909 (0xFF37303D)
YUV	51.5750, 4.6465, 3.0037
Hunter-Lab	18.0142, 2.7242, -3.3116

Details

The CIELCh color **21, 9.363, 311.224** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 9.149, 129.581**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 9.139, 312.038**, and **1, 9.323, 311.289** is the 20% darker color. If you saturate the color by 10%, you get **19, 13.890, 311.651**, and if you desaturate by 10%, it is **23, 4.922, 310.813**.

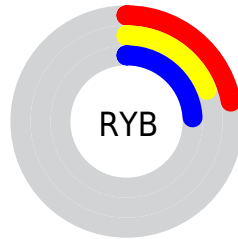
Distribution



Red (22%)

Green (19%)

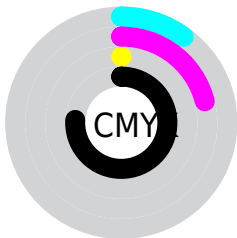
Blue (24%)



Red (22%)

Yellow (19%)

Blue (24%)

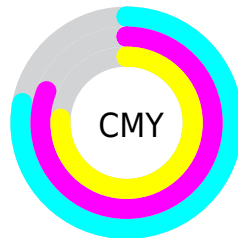


Cyan (10%)

Magenta (21%)

Yellow (0%)

Black (76%)



Cyan (78%)

Magenta (81%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 9.363, 311.224 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, 9.363, 311.224 by changing the saturation by 10% instead.

■ 21, 9.363, 311.224

■ 21, 9.363, 311.224

■ 100, 9.363,
311.224

■ 11, 9.363, 311.224

■ 41, 9.363, 311.224

■ 1, 9.363, 311.224

■ 51, 9.363, 311.224

■ 0, 9.363, 311.224

■ 61, 9.363, 311.224

■ 71, 9.363, 311.224

■ 81, 9.363, 311.224

■ 91, 9.363, 311.224

■ 21, 9.363, 311.224

■ 21, 9.363, 311.224

19, 13.890,
311.651

23, 4.922, 310.813

17, 18.476,
312.091

25, 0.583, 310.351

15, 23.074,
312.526

28, 3.646, 130.116

13, 27.610,
312.934

32, 11.770,
129.504

11, 31.968,
313.279

34, 15.669,
129.246

9, 35.987, 313.514

36, 19.464,
129.015

7, 39.797, 313.707

39, 23.159,
128.811

6, 43.034, 313.776

41, 26.760,
128.630

Harmonies

Complementary

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



21, 9.363, 311.224



25, 9.149, 129.581

Rectangle

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



21, 9.363, 311.224



21, 9.363, 1.224



21, 9.363, 131.224



21, 9.363, 181.224

Sweetspot

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



21, 9.362, 311.223



32, 3.217, 310.609



22, 5.257, 261.617



15, 2.154, 310.615



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



21, 9.362, 311.223



27, 14.267, 311.470



22, 10.286, 326.361



10, 2.410, 310.697



13, 59.424, 313.545



36, 111.531, 312.671

Inverse Universe

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



21, 7.281, 347.431



27, 11.081, 347.960



24, 10.276, 144.166



10, 1.876, 346.335



18, 40.922, 2.409



48, 75.994, 6.307

Previews

White Background



This preview shows how the CIELCh color 21, 9.363, 311.224 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, 9.363, 311.224 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, 9.363, 311.224

Background



This preview shows how black text looks on a background with the CIELCh color 21, 9.363, 311.224.

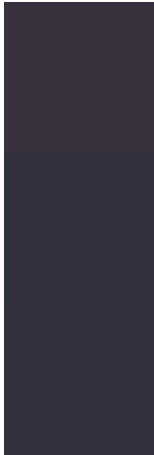


This preview shows how white text looks on a background with the CIELCh color 21, 9.363, 311.224.

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, 9.363, 311.224

Protanopia

21, 8.141, 286.076

Deuteranopia

21, 8.194, 298.077



Tritanopia
21, 3.575, 330.979

Trichromacy



Original Color
21, 9.363, 311.224

Protanomaly
21, 8.830, 294.961

Deuteranomaly
21, 8.254, 301.078

Tritanomaly
21, 5.275, 316.618

Monochromacy



Original Color
21, 9.363, 311.224

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 3.514, 305.878

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 21, 9.363, 311.224 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(55, 48, 61)` looks like.

```
.text, #text, p{  
    color:rgb(55, 48, 61)  
}
```

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(55, 48, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 48, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 9.363, 311.224 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(55, 48, 61) }
```

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

```
.border{ border-color:rgb(55, 48, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 48, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 48, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 48, 61);  
box-shadow:4px 4px 4px 4px rgb(55, 48, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 9.363, 311.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 48, 61) }
```

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

```
.background{ background-color: rgb(55, 48,  
61) }
```

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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