

Converting Colors

CIELCh(21, 9.476, 289.836)

Have a look what the booklet for
CIELCh(21, 9.476, 289.836) contains.

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Color

CIELCh(21, 9.463, 289.794)

Conversions

Conversions Part 1

Format	Color
Hex	31323F
RGB	49, 50, 63
RGB Percent	19%, 20%, 25%
CMY	0.8098, 0.8058, 0.7510
CMYK	0.24, 0.22, 0.00, 0.75
HSL	236°, 13%, 22%
HSV	236°, 24%, 25%
XYZ	3.2741, 3.2451, 5.2290
YIQ	51.1830, -4.7690, 3.8310

Conversions

Conversions Part 2

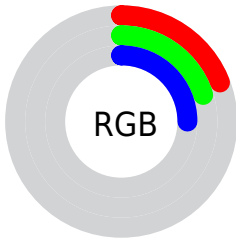
Format	Color
R_{YB}	49, 50, 63
Decimal	3224127
CIE Lab	21.00, 3.20, -8.90
CIE LCh	21, 9.463, 289.794
Yxy	3.2451, 0.2787, 0.2762
Android (android.graphics.Color)	4281414207 (0xFF31323F)
YUV	51.1830, 5.8258, -1.9145
Hunter-Lab	18.0142, 0.9174, -4.6002

Details

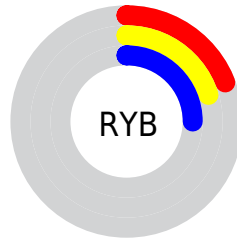
The CIELCh color **21, 9.463, 289.794** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 9.083, 105.235**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 9.108, 289.077**, and **1, 8.755, 288.363** is the 20% darker color. If you saturate the color by 10%, you get **19, 13.705, 291.098**, and if you desaturate by 10%, it is **23, 5.364, 288.661**.

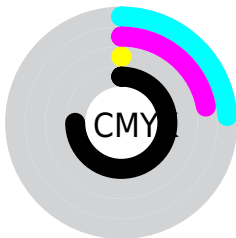
Distribution



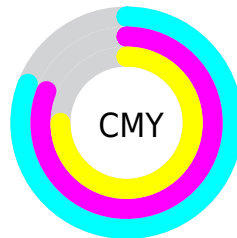
- Red (19%)
- Green (20%)
- Blue (25%)



- Red (19%)
- Yellow (20%)
- Blue (25%)



- Cyan (24%)
- Magenta (22%)
- Yellow (0%)
- Black (75%)



- Cyan (81%)
- Magenta (81%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 9.463, 289.794 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, 9.463, 289.794 by changing the saturation by 10% instead.

■ 21, 9.463, 289.794

■ 21, 9.463, 289.794

■ 100, 9.463,
289.794

■ 11, 9.463, 289.794

■ 41, 9.463, 289.794

■ 1, 9.463, 289.794

■ 51, 9.463, 289.794

■ 0, 9.463, 289.794

■ 61, 9.463, 289.794

■ 71, 9.463, 289.794

■ 81, 9.463, 289.794

■ 91, 9.463, 289.794

■ 21, 9.463, 289.794

■ 21, 9.463, 289.794

19, 13.705,
291.098

23, 5.364, 288.661

16, 18.100,
292.596

26, 1.400, 287.697

14, 22.653,
294.300

28, 2.440, 106.795

11, 27.355,
296.205

33, 9.776, 105.406

9, 32.161, 298.276

36, 13.285,
104.832

7, 36.681, 300.095

38, 16.697,
104.326

5, 39.972, 300.610

41, 20.016,
103.877

4, 41.803, 300.513

43, 23.248,
103.478

Harmonies

Complementary

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



21, 9.463, 289.794



26, 9.083, 105.235

Rectangle

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



21, 9.463, 289.794



21, 9.463, 339.794



21, 9.463, 109.794



21, 9.463, 159.794

Sweetspot

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



21, 9.462, 289.792



33, 3.370, 288.031



26, 6.474, 191.019



15, 2.153, 288.028



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, 9.462, 289.792



26, 13.968, 290.497



21, 10.525, 307.184



10, 2.106, 288.134



9, 60.748, 304.544



28, 117.559, 305.617

Inverse Universe

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



22, 7.251, 15.626



27, 10.778, 16.192



26, 10.180, 125.095



10, 1.579, 14.307



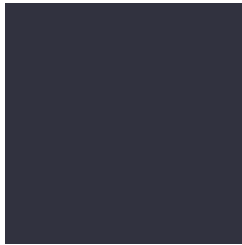
18, 45.945, 32.189



46, 91.427, 37.806

Previews

White Background



This preview shows how the CIELCh color 21, 9.463, 289.794 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, 9.463, 289.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

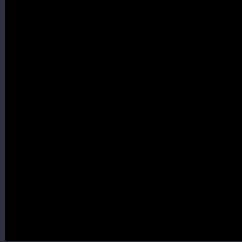
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

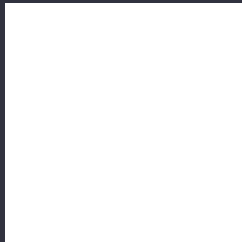
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 9.463, 289.794

Background



This preview shows how black text looks on a background with the CIELCh color 21, 9.463, 289.794.



This preview shows how white text looks on a background with the CIELCh color 21, 9.463, 289.794.

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, 8.790, 289.432

Protanopia

21, 9.517, 284.834

Deuteranopia

21, 9.490, 292.353



Tritanopia
21, 3.200, 257.112

Trichromacy



Original Color

21, 8.790, 289.432

Protanomaly

21, 9.482, 287.296

Deuteranomaly

21, 9.490, 292.353

Tritanomaly

21, 5.466, 282.260

Monochromacy



Original Color

21, 8.790, 289.432

Achromatopsia

21, 0.004, 296.813

Achromatomaly

21, 4.061, 291.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 9.463, 289.794 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(49, 50, 63)` looks like.

```
.text, #text, p{  
    color:rgb(49, 50, 63)  
}
```

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(49, 50, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 50, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 9.463, 289.794 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(49, 50, 63) }
```

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

```
.border{ border-color:rgb(49, 50, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 50, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 50, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 50, 63);  
box-shadow:4px 4px 4px 4px rgb(49, 50, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 9.463, 289.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 50, 63) }
```

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

```
.background{ background-color: rgb(49, 50,  
63) }
```

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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