

Converting Colors

CIELCh(21, 5.927, 11.940)

Have a look what the booklet for
CIELCh(21, 5.927, 11.940) contains.

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Color

CIELCh(21, 5.801, 13.985)

Conversions

Conversions Part 1

Format	Color
Hex	3C3031
RGB	60, 48, 49
RGB Percent	24%, 19%, 19%
CMY	0.7664, 0.8134, 0.8095
CMYK	0.00, 0.20, 0.18, 0.77
HSL	355°, 11%, 21%
HSV	355°, 20%, 23%
XYZ	3.4227, 3.2451, 3.3055
YIQ	51.7020, 6.8310, 2.8550

Conversions

Conversions Part 2

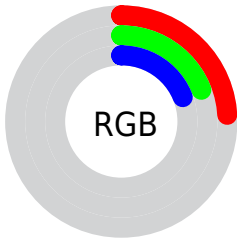
Format	Color
RYB	60, 48, 49
Decimal	3944497
CIELab	21.00, 5.63, 1.40
CIElCh	21, 5.801, 13.985
Yxy	3.2451, 0.3432, 0.3254
Android (android.graphics.Color)	4282134577 (0xFF3C3031)
YUV	51.7020, -1.3321, 7.2773
Hunter-Lab	18.0142, 2.3896, 1.7305

Details

The CIELCh color **21, 5.801, 13.985** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 5.275, 191.267**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 5.581, 13.907**, and **1, 5.546, 15.235** is the 20% darker color. If you saturate the color by 10%, you get **19, 8.931, 14.991**, and if you desaturate by 10%, it is **23, 2.833, 13.130**.

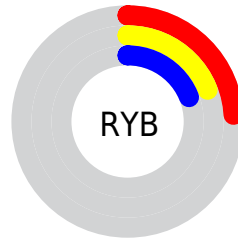
Distribution



Red (24%)

Green (19%)

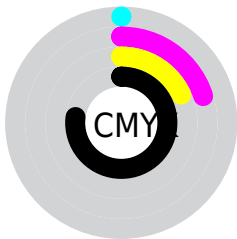
Blue (19%)



Red (24%)

Yellow (19%)

Blue (19%)

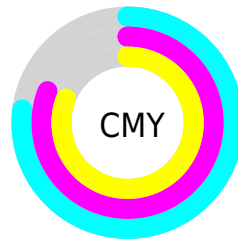


Cyan (0%)

Magenta (20%)

Yellow (18%)

Black (77%)



Cyan (77%)

Magenta (81%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 5.801, 13.985 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, 5.801, 13.985 by changing the saturation by 10% instead.

■ 21, 5.801, 13.985 ■ 21, 5.801, 13.985

■ 100, 5.801, 13.985 ■ 11, 5.801, 13.985

■ 41, 5.801, 13.985 ■ 1, 5.801, 13.985

■ 51, 5.801, 13.985 ■ 0, 5.801, 13.985

■ 61, 5.801, 13.985

■ 71, 5.801, 13.985

■ 81, 5.801, 13.985

■ 91, 5.801, 13.985

■ 21, 5.801, 13.985 ■ 21, 5.801, 13.985

■ 19, 8.931, 14.991 ■ 23, 2.833, 13.130

17, 12.211, 16.195

25, 0.032, 5.399

15, 15.608, 17.667

27, 2.607, 192.017

14, 19.069, 19.483

29, 5.093, 191.465

12, 22.509, 21.646

31, 7.440, 191.007

11, 25.571, 22.907

34, 9.658, 190.609

10, 28.199, 23.073

36, 11.760,
190.258

9, 30.918, 22.061

38, 13.758,
189.945

40, 15.664,
189.663

Harmonies

Complementary

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



21, 5.801, 13.985



24, 5.275, 191.267

Rectangle

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



21, 5.801, 13.985



21, 5.801, 63.985



21, 5.801, 193.985



21, 5.801, 243.985

Sweetspot

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



21, 5.800, 13.992



31, 2.048, 12.799



21, 9.452, 322.547



14, 1.333, 12.805



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 5.800, 13.992



27, 8.649, 14.464



22, 4.737, 62.102



10, 1.583, 12.992



18, 45.661, 31.516



46, 90.670, 37.144

Inverse Universe

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



21, 5.800, 13.992



27, 8.649, 14.464



22, 4.401, 246.028



10, 1.583, 12.992



18, 45.661, 31.516



46, 90.670, 37.144

Previews

White Background



This preview shows how the CIELCh color 21, 5.801, 13.985 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, 5.801, 13.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

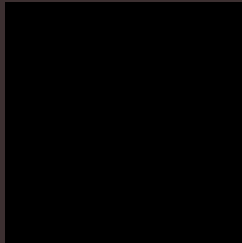
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 5.801, 13.985

Background



This preview shows how black text looks on a background with the CIELCh color 21, 5.801, 13.985.

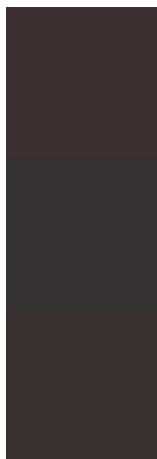


This preview shows how white text looks on a background with the CIELCh color 21, 5.801, 13.985.

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, 5.801, 13.985

Protanopia

21, 0.936, 19.370

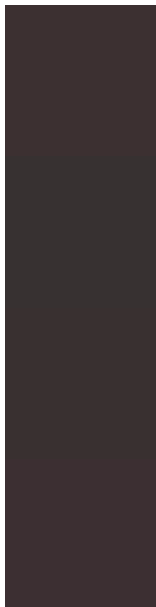
Deuteranopia

21, 3.422, 31.320



Tritanopia
21, 6.718, 357.296

Trichromacy



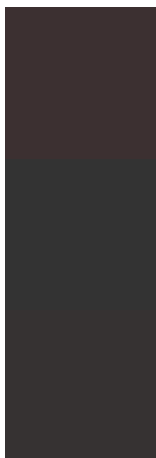
Original Color
21, 5.801, 13.985

Protanomaly
21, 2.850, 19.917

Deuteranomaly
21, 4.323, 20.258

Tritanomaly
21, 6.514, 2.812

Monochromacy



Original Color
21, 5.801, 13.985

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 1.883, 19.674

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 21, 5.801, 13.985 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(60, 48, 49)` looks like.

```
.text, #text, p{  
    color:rgb(60, 48, 49)  
}
```

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(60, 48, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 48, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 5.801, 13.985 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(60, 48, 49) }
```

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

```
.border{ border-color:rgb(60, 48, 49) }
```

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

Here you see how a box with a 4 pixel rgb(60, 48, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 48, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 48, 49);  
box-shadow:4px 4px 4px 4px rgb(60, 48, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 5.801, 13.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 48, 49) }
```

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

```
.background{ background-color: rgb(60, 48,  
49) }
```

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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