

Converting Colors

CIELCh(21, 5.662, 15.865)

Have a look what the booklet for
CIELCh(21, 5.662, 15.865) contains.

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Color

CIELCh(21, 5.308, 20.474)

Conversions

Conversions Part 1

Format	Color
Hex	3B3030
RGB	59, 48, 48
RGB Percent	23%, 19%, 19%
CMY	0.7690, 0.8121, 0.8121
CMYK	0.00, 0.19, 0.19, 0.77
HSL	0°, 10%, 21%
HSV	0°, 19%, 23%
XYZ	3.3820, 3.2451, 3.2338
YIQ	51.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

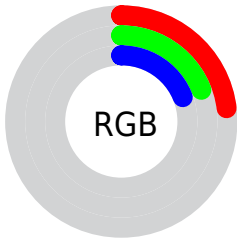
Format	Color
R_{YB}	59, 48, 48
Decimal	3878960
CIE _{Lab}	21.00, 4.97, 1.86
CIE _{LCh}	21, 5.308, 20.474
Yxy	3.2451, 0.3430, 0.3291
Android (android.graphics.Color)	4282069040 (0xFF3B3030)
YUV	51.2890, -1.6215, 6.7625
Hunter-Lab	18.0142, 1.9868, 1.9667

Details

The CIELCh color **21, 5.308, 20.474** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 4.784, 198.607**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 5.132, 20.027**, and **1, 5.120, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 8.427, 21.310**, and if you desaturate by 10%, it is **23, 2.382, 19.780**.

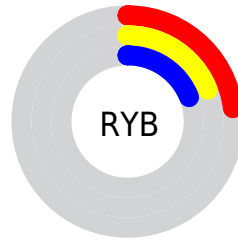
Distribution



Red (23%)

Green (19%)

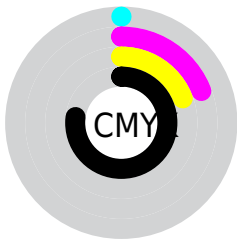
Blue (19%)



Red (23%)

Yellow (19%)

Blue (19%)

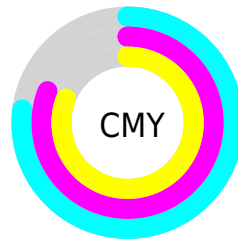


Cyan (0%)

Magenta (19%)

Yellow (19%)

Black (77%)



Cyan (77%)

Magenta (81%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 5.308, 20.474 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, 5.308, 20.474 by changing the saturation by 10% instead.

■ 21, 5.308, 20.474 ■ 21, 5.308, 20.474

■ 100, 5.308, 20.474 ■ 11, 5.308, 20.474

■ 41, 5.308, 20.474 ■ 1, 5.308, 20.474

■ 51, 5.308, 20.474 ■ 0, 5.308, 20.474

■ 61, 5.308, 20.474

■ 71, 5.308, 20.474

■ 81, 5.308, 20.474

■ 91, 5.308, 20.474

■ 21, 5.308, 20.474 ■ 21, 5.308, 20.474

■ 19, 8.427, 21.310 ■ 23, 2.382, 19.780

17, 11.738, 22.337	25, 0.352, 200.018
15, 15.218, 23.628	27, 2.909, 199.012
14, 18.827, 25.253	29, 5.300, 198.629
12, 22.389, 26.709	31, 7.543, 198.329
11, 25.443, 26.808	34, 9.652, 198.084
10, 28.018, 26.281	36, 11.641, 197.881
9, 30.751, 25.293	38, 13.524, 197.710
8, 31.136, 25.127	40, 15.313, 197.565

Harmonies

Complementary

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



21, 5.308, 20.474



24, 4.784, 198.607

Rectangle

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



21, 5.308, 20.474



21, 5.308, 70.474



21, 5.308, 200.474



21, 5.308, 250.474

Sweetspot

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



21, 5.307, 20.483



31, 2.034, 19.607



21, 8.945, 325.310



14, 1.325, 19.612



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, 5.307, 20.483



27, 7.894, 20.822



23, 4.525, 73.418



10, 1.574, 19.768



17, 47.178, 34.876



46, 94.132, 40.001

Inverse Universe

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



24, 4.784, 198.607



31, 6.931, 198.414



22, 4.343, 257.669



11, 1.503, 199.117



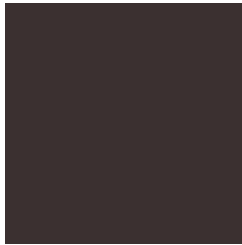
36, 24.212, 196.400



80, 45.105, 196.401

Previews

White Background



This preview shows how the CIELCh color 21, 5.308, 20.474 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, 5.308, 20.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

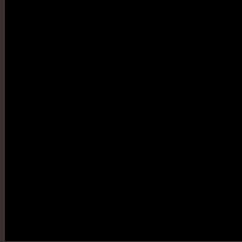
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 5.308, 20.474

Background



This preview shows how black text looks on a background with the CIELCh color 21, 5.308, 20.474.

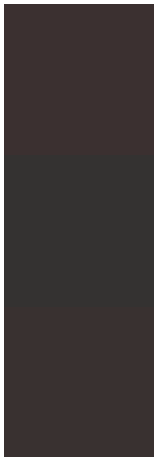


This preview shows how white text looks on a background with the CIELCh color 21, 5.308, 20.474.

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, 5.308, 20.474

Protanopia

21, 1.152, 55.150

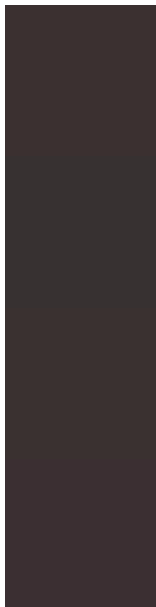
Deuteranopia

21, 3.903, 30.003



Tritanopia
21, 6.281, 355.402

Trichromacy



Original Color

21, 5.308, 20.474

Protanomaly

21, 2.850, 19.917

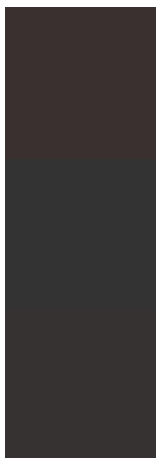
Deuteranomaly

21, 4.389, 28.995

Tritanomaly

21, 6.055, 1.258

Monochromacy



Original Color

21, 5.308, 20.474

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, 5.308, 20.474 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(59, 48, 48)` looks like.

```
.text, #text, p{  
    color:rgb(59, 48, 48)  
}
```

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(59, 48, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 48, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 5.308, 20.474 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(59, 48, 48) }
```

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

```
.border{ border-color:rgb(59, 48, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 48, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 48, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 48, 48);  
box-shadow:4px 4px 4px 4px rgb(59, 48, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 5.308, 20.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 48, 48) }
```

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

```
.background{ background-color: rgb(59, 48,  
48) }
```

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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