

Converting Colors

CIELCh(21, 5.905, 44.598)

Have a look what the booklet for
CIELCh(21, 5.905, 44.598) contains.

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Color

CIELCh(21, 5.791, 40.688)

Conversions

Conversions Part 1

Format	Color
Hex	3B302D
RGB	59, 48, 45
RGB Percent	23%, 19%, 18%
CMY	0.7682, 0.8114, 0.8231
CMYK	0.00, 0.19, 0.24, 0.77
HSL	13°, 13%, 20%
HSV	13°, 24%, 23%
XYZ	3.3462, 3.2451, 2.9424
YIQ	50.9470, 7.5190, 1.3990

Conversions

Conversions Part 2

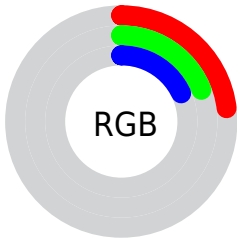
Format	Color
R _Y B	59, 49, 45
Decimal	3878957
CIE Lab	21.00, 4.39, 3.78
CIE LCh	21, 5.791, 40.688
Yxy	3.2451, 0.3510, 0.3404
Android (android.graphics.Color)	4282069037 (0xFF3B302D)
YUV	50.9470, -2.9319, 7.0625
Hunter-Lab	18.0142, 1.6325, 2.9255

Details

The CIELCh color **21, 5.791, 40.688** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 5.068, 222.104**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 5.498, 39.189**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 8.535, 40.672**, and if you desaturate by 10%, it is **23, 3.230, 40.797**.

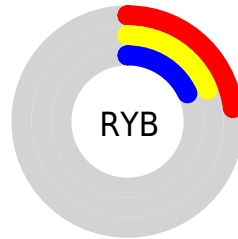
Distribution



Red (23%)

Green (19%)

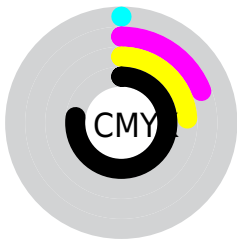
Blue (18%)



Red (23%)

Yellow (19%)

Blue (18%)

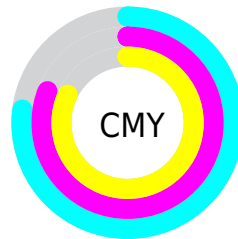


Cyan (0%)

Magenta (19%)

Yellow (24%)

Black (77%)



Cyan (77%)

Magenta (81%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 5.791, 40.688 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, 5.791, 40.688 by changing the saturation by 10% instead.

■ 21, 5.791, 40.688

■ 21, 5.791, 40.688

■ 100, 5.791, 40.688

■ 11, 5.791, 40.688

■ 41, 5.791, 40.688

■ 1, 5.791, 40.688

■ 51, 5.791, 40.688

■ 0, 5.791, 40.688

■ 61, 5.791, 40.688

■ 71, 5.791, 40.688

■ 81, 5.791, 40.688

■ 91, 5.791, 40.688

■ 21, 5.791, 40.688

■ 21, 5.791, 40.688

■ 19, 8.535, 40.672

■ 23, 3.230, 40.797

18, 11.471, 40.755

24, 0.842, 40.800

16, 14.603, 40.971

26, 1.390, 221.494

15, 17.920, 41.341

28, 3.480, 221.696

14, 21.062, 40.855

29, 5.441, 222.004

12, 23.688, 39.062

31, 7.288, 222.346

11, 26.058, 37.423

33, 9.032, 222.707

11, 27.490, 36.840

34, 10.686,
223.079

36, 12.259,
223.456

Harmonies

Complementary

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



21, 5.791, 40.688



23, 5.068, 222.104

Rectangle

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



21, 5.791, 40.688



21, 5.791, 90.688



21, 5.791, 220.688



21, 5.791, 270.688

Sweetspot

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



21, 5.791, 40.698



31, 2.002, 40.855



20, 9.932, 331.809



14, 1.277, 40.855



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, 5.791, 40.698



27, 8.657, 40.672



23, 6.821, 91.151



11, 1.323, 40.850



20, 43.900, 42.363



49, 89.138, 43.658

Inverse Universe

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



23, 5.068, 222.104



29, 7.314, 222.419



20, 6.844, 276.566



11, 1.267, 221.525



29, 21.238, 235.741



66, 39.955, 239.242

Previews

White Background



This preview shows how the CIELCh color 21, 5.791, 40.688 looks on a white background.

Color Contrast Check

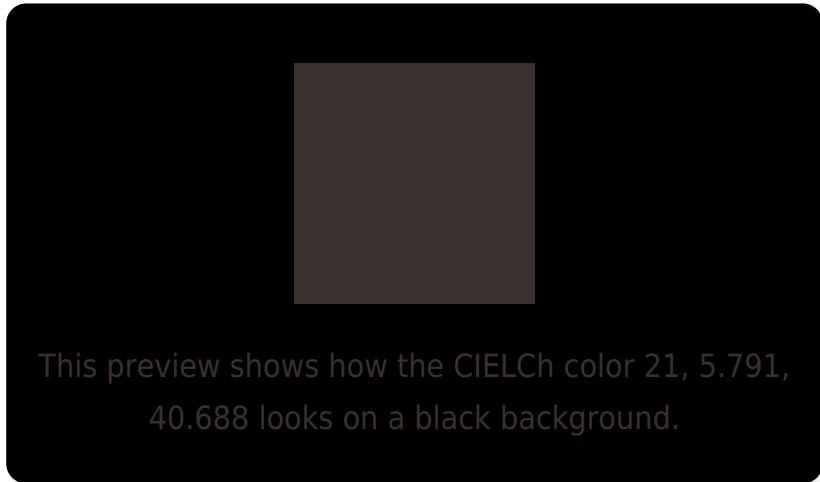
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

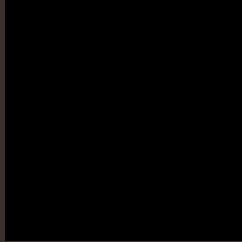
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 5.791, 40.688

Background



This preview shows how black text looks on a background with the CIELCh color 21, 5.791, 40.688.

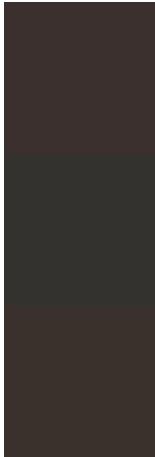


This preview shows how white text looks on a background with the CIELCh color 21, 5.791, 40.688.

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, 5.791, 40.688

Protanopia

21, 2.856, 89.892

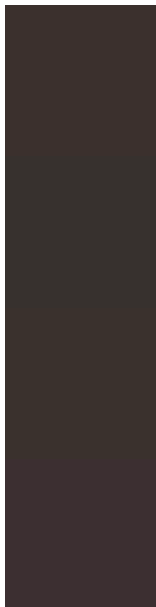
Deuteranopia

21, 5.187, 51.206



Tritanopia
21, 6.718, 357.296

Trichromacy



Original Color
21, 5.791, 40.688

Protanomaly
21, 3.541, 54.560

Deuteranomaly
21, 5.187, 51.206

Tritanomaly
21, 6.377, 8.632

Monochromacy



Original Color
21, 5.791, 40.688

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 2.007, 39.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 5.791, 40.688 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(59, 48, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 48, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 5.791, 40.688 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, 45) }
```

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

```
.border{ border-color:rgb(59, 48, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 48, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 48, 45);  
box-shadow:4px 4px 4px 4px rgb(59, 48, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 5.791, 40.688 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, 45) }
```

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

```
.background{ background-color: rgb(59, 48,  
45) }
```

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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