

Converting Colors

CIE LCh(22, 3.602, 19.497)

Have a look what the booklet for
CIELCh(22, 3.602, 19.497) contains.

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Color

CIELCh(22, 3.794, 20.109)

Conversions

Conversions Part 1

Format	Color
Hex	3B3333
RGB	59, 51, 51
RGB Percent	23%, 20%, 20%
CMY	0.7693, 0.8006, 0.8006
CMYK	0.00, 0.14, 0.14, 0.77
HSL	0°, 7%, 22%
HSV	0°, 14%, 23%
XYZ	3.5641, 3.5154, 3.6036
YIQ	53.3920, 4.7680, 1.6960

Conversions

Conversions Part 2

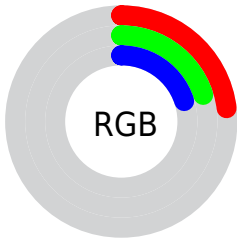
Format	Color
R _Y B	59, 51, 51
Decimal	3879731
CIE Lab	22.00, 3.56, 1.30
CIE LCh	22, 3.794, 20.109
Yxy	3.5154, 0.3336, 0.3291
Android (android.graphics.Color)	4282069811 (0xFF3B3333)
YUV	53.3920, -1.1793, 4.9182
Hunter-Lab	18.7494, 1.1198, 1.7292

Details

The CIELCh color **22, 3.794, 20.109** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 3.522, 198.851**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 3.809, 19.815**, and **2, 3.734, 19.399** is the 20% darker color. If you saturate the color by 10%, you get **20, 6.811, 20.871**, and if you desaturate by 10%, it is **24, 0.969, 19.362**.

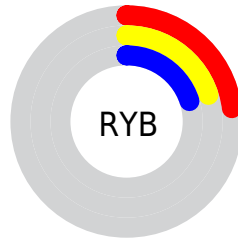
Distribution



Red (23%)

Green (20%)

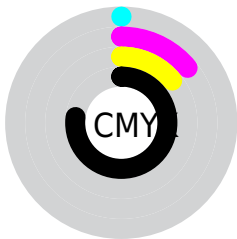
Blue (20%)



Red (23%)

Yellow (20%)

Blue (20%)

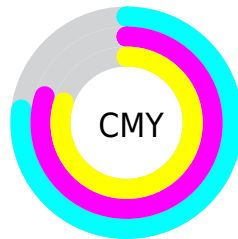


Cyan (0%)

Magenta (14%)

Yellow (14%)

Black (77%)



Cyan (77%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 3.794, 20.109 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 22, 3.794, 20.109 by changing the saturation by 10% instead.

■ 22, 3.794, 20.109

■ 22, 3.794, 20.109

■ 100, 3.794, 20.109

■ 12, 3.794, 20.109

■ 42, 3.794, 20.109

■ 2, 3.794, 20.109

■ 52, 3.794, 20.109

■ 0, 3.794, 20.109

■ 62, 3.794, 20.109

■ 72, 3.794, 20.109

■ 82, 3.794, 20.109

■ 92, 3.794, 20.109

■ 22, 3.794, 20.109

■ 22, 3.794, 20.109

■ 20, 6.811, 20.871

■ 24, 0.969, 19.362

18, 10.023, 21.789

26, 1.671, 199.273

16, 13.417, 22.937

28, 4.139, 198.807

14, 16.963, 24.382

30, 6.451, 198.472

13, 20.604, 26.158

32, 8.621, 198.203

11, 23.938, 26.863

35, 10.666,
197.980

10, 26.693, 26.583

37, 12.598,
197.794

9, 29.297, 25.827

8, 31.104, 25.098

39, 14.430,
197.637

41, 16.174,
197.504

Harmonies

Complementary

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



22, 3.794, 20.109



24, 3.522, 198.851

Rectangle

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



22, 3.794, 20.109



22, 3.794, 70.109



22, 3.794, 200.109



22, 3.794, 250.109

Sweetspot

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



22, 3.793, 20.121



32, 1.347, 19.428



22, 6.493, 325.065



15, 0.940, 19.462



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



22, 3.793, 20.121



28, 5.620, 20.344



23, 3.257, 73.947



10, 1.574, 19.771



17, 47.178, 34.877



46, 94.131, 40.001

Inverse Universe

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



24, 3.522, 198.851



31, 5.124, 198.700



23, 3.165, 257.018



11, 1.503, 199.121



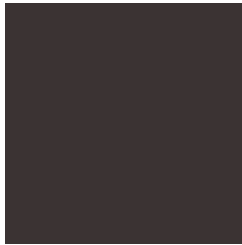
36, 24.210, 196.406



80, 45.102, 196.407

Previews

White Background



This preview shows how the CIELCh color 22, 3.794, 20.109 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 22, 3.794, 20.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

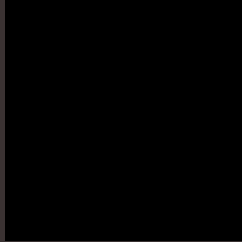
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 3.794, 20.109

Background



This preview shows how black text looks on a background with the CIELCh color 22, 3.794, 20.109.

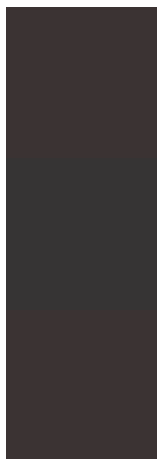


This preview shows how white text looks on a background with the CIELCh color 22, 3.794, 20.109.

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


22, 3.794, 20.109

Protanopia

22, 0.930, 19.357

Deuteranopia

22, 3.794, 20.109



Tritanopia
22, 4.983, 347.899

Trichromacy



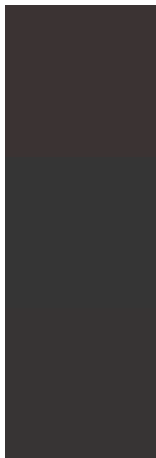
Original Color
22, 3.794, 20.109

Protanomaly
22, 1.871, 19.659

Deuteranomaly
22, 3.794, 20.109

Tritanomaly
22, 4.675, 354.917

Monochromacy



Original Color
22, 3.794, 20.109

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 1.400, 19.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 3.794, 20.109 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, 51, 51)` looks like.

```
.text, #text, p{  
    color:rgb(59, 51, 51)  
}
```

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, 51, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 51, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 3.794, 20.109 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, 51, 51) }
```

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

```
.border{ border-color:rgb(59, 51, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 51, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 51, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 51, 51);  
box-shadow:4px 4px 4px 4px rgb(59, 51, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 3.794, 20.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 51, 51) }
```

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

```
.background{ background-color: rgb(59, 51,  
51) }
```

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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