

Converting Colors

CIE LCh(22, 3.353, 10.638)

Have a look what the booklet for
CIELCh(22, 3.353, 10.638) contains.

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Color

CIELCh(22, 3.361, 8.569)

Conversions

Conversions Part 1

Format	Color
Hex	3A3334
RGB	58, 51, 52
RGB Percent	23%, 20%, 20%
CMY	0.7725, 0.8000, 0.7961
CMYK	0.00, 0.12, 0.10, 0.77
HSL	351°, 6%, 21%
HSV	351°, 12%, 23%
XYZ	3.5488, 3.5154, 3.7406
YIQ	53.2070, 3.8510, 1.7950

Conversions

Conversions Part 2

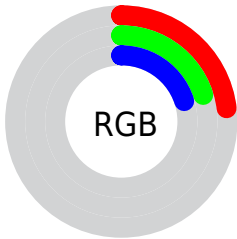
Format	Color
R _Y B	58, 51, 52
Decimal	3814196
CIE Lab	22.00, 3.32, 0.50
CIE LCh	22, 3.361, 8.569
Yxy	3.5154, 0.3284, 0.3254
Android (android.graphics.Color)	4282004276 (0xFF3A3334)
YUV	53.2070, -0.5951, 4.2035
Hunter-Lab	18.7494, 0.9745, 1.2960

Details

The CIELCh color **22, 3.361, 8.569** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 3.203, 186.919**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 3.426, 9.645**, and **2, 3.377, 12.539** is the 20% darker color. If you saturate the color by 10%, you get **20, 6.303, 9.519**, and if you desaturate by 10%, it is **24, 0.561, 7.474**.

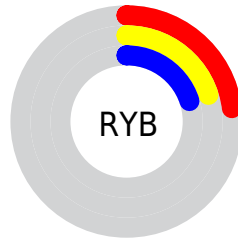
Distribution



Red (23%)

Green (20%)

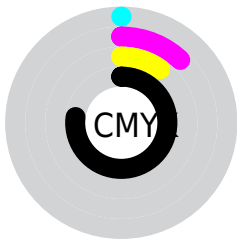
Blue (20%)



Red (23%)

Yellow (20%)

Blue (20%)

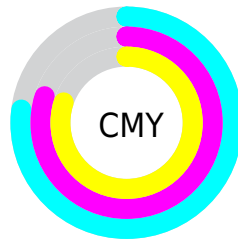


Cyan (0%)

Magenta (12%)

Yellow (10%)

Black (77%)



Cyan (77%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 3.361, 8.569 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, 3.361, 8.569 by changing the saturation by 10% instead.

■ 22, 3.361, 8.569

■ 22, 3.361, 8.569

■ 100, 3.361, 8.569

■ 12, 3.361, 8.569

■ 42, 3.361, 8.569

■ 2, 3.361, 8.569

■ 52, 3.361, 8.569

■ 0, 3.361, 8.569

■ 62, 3.361, 8.569

■ 72, 3.361, 8.569

■ 82, 3.361, 8.569

■ 92, 3.361, 8.569

■ 22, 3.361, 8.569

■ 22, 3.361, 8.569

■ 20, 6.303, 9.519

■ 24, 0.561, 7.474

18, 9.380, 10.603	26, 2.094, 187.293
16, 12.568, 11.892	28, 4.609, 186.641
15, 15.828, 13.448	30, 6.995, 186.097
13, 19.097, 15.348	32, 9.260, 185.617
12, 22.294, 17.652	34, 11.415, 185.186
10, 25.150, 19.342	36, 13.470, 184.796
9, 27.767, 19.729	38, 15.435, 184.441
8, 29.968, 18.892	40, 17.319, 184.115

Harmonies

Complementary

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



22, 3.361, 8.569



24, 3.203, 186.919

Rectangle

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



22, 3.361, 8.569



22, 3.361, 58.569



22, 3.361, 188.569



22, 3.361, 238.569

Sweetspot

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



22, 3.360, 8.580



32, 1.376, 7.831



22, 5.441, 320.745



15, 0.961, 7.871



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, 3.360, 8.580



29, 4.946, 8.817



23, 2.696, 56.813



9, 1.485, 8.240



17, 43.629, 28.447



46, 86.678, 34.001

Inverse Universe

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



22, 3.360, 8.580



29, 4.946, 8.817



23, 2.566, 238.836



9, 1.485, 8.240



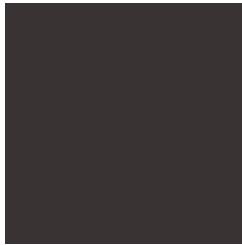
17, 43.629, 28.447



46, 86.678, 34.001

Previews

White Background



This preview shows how the CIELCh color 22, 3.361, 8.569 looks on a white background.

Color Contrast Check

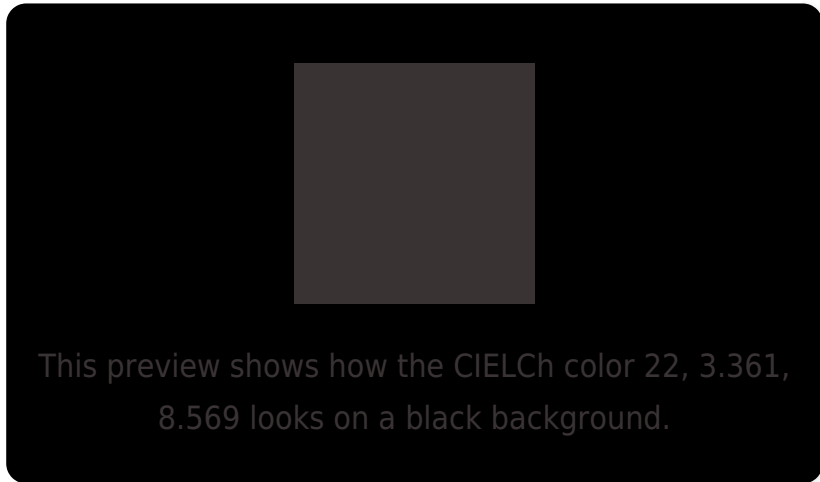
Large Text (above 18pt) WCAG AA ✓ Pass

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

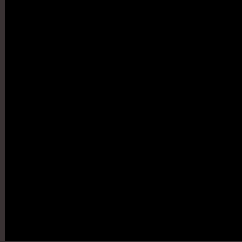
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 3.361, 8.569

Background



This preview shows how black text looks on a background with the CIELCh color 22, 3.361, 8.569.

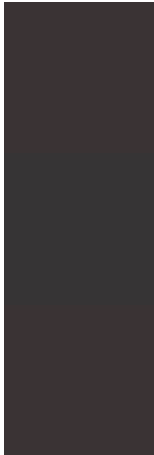


This preview shows how white text looks on a background with the CIELCh color 22, 3.361, 8.569.

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, 3.361, 8.569

Protanopia

22, 1.151, 343.765

Deuteranopia

22, 3.361, 8.569



Tritanopia
22, 4.215, 340.766

Trichromacy



Original Color

22, 3.361, 8.569

Protanomaly

22, 1.552, 353.995

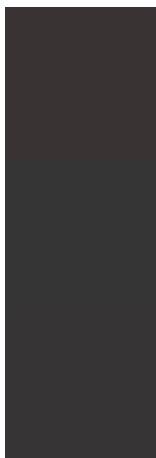
Deuteranomaly

22, 3.361, 8.569

Tritanomaly

22, 3.834, 348.568

Monochromacy



Original Color

22, 3.361, 8.569

Achromatopsia

22, 0.004, 296.813

Achromatomaly

22, 1.552, 353.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 3.361, 8.569 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(58, 51, 52)` looks like.

```
.text, #text, p{  
    color:rgb(58, 51, 52)  
}
```

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(58, 51, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 51, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 3.361, 8.569 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(58, 51, 52) }
```

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

```
.border{ border-color:rgb(58, 51, 52) }
```

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

Here you see how a box with a 4 pixel rgb(58, 51, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 51, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 51, 52);  
box-shadow:4px 4px 4px 4px rgb(58, 51, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 3.361, 8.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 51, 52) }
```

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

```
.background{ background-color: rgb(58, 51,  
52) }
```

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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