

Converting Colors

CIELCh(22, 8.319, 342.065)

Have a look what the booklet for
CIELCh(22, 8.319, 342.065) contains.

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Color

CIELCh(22, 8.381, 341.549)

Conversions

Conversions Part 1

Format	Color
Hex	3F3139
RGB	63, 49, 57
RGB Percent	25%, 19%, 22%
CMY	0.7540, 0.8089, 0.7775
CMYK	0.00, 0.22, 0.10, 0.75
HSL	326°, 13%, 22%
HSV	326°, 22%, 25%
XYZ	3.8518, 3.5154, 4.3117
YIQ	54.0980, 5.7760, 5.4560

Conversions

Conversions Part 2

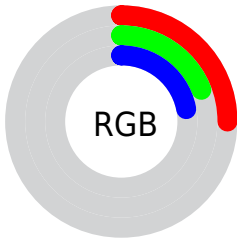
Format	Color
R_{YB}	63, 49, 57
Decimal	4141369
CIE _{Lab}	22.00, 7.95, -2.65
CIE _{LCh}	22, 8.381, 341.549
Yxy	3.5154, 0.3298, 0.3010
Android (android.graphics.Color)	4282331449 (0xFF3F3139)
YUV	54.0980, 1.4307, 7.8071
Hunter-Lab	18.7494, 3.8590, -0.5099

Details

The CIELCh color **22, 8.381, 341.549** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 8.239, 158.392**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 8.602, 341.493**, and **2, 8.110, 341.093** is the 20% darker color. If you saturate the color by 10%, you get **20, 12.186, 342.364**, and if you desaturate by 10%, it is **24, 4.588, 340.793**.

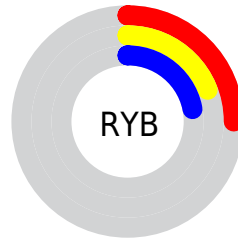
Distribution



Red (25%)

Green (19%)

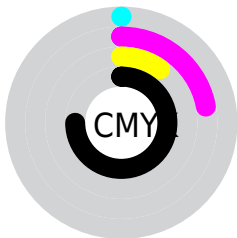
Blue (22%)



Red (25%)

Yellow (19%)

Blue (22%)

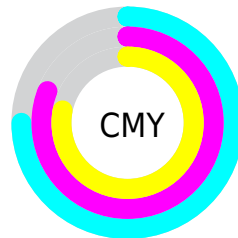


Cyan (0%)

Magenta (22%)

Yellow (10%)

Black (75%)



Cyan (75%)

Magenta (81%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 8.381, 341.549 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, 8.381, 341.549 by changing the saturation by 10% instead.

■ 22, 8.381, 341.549

■ 22, 8.381, 341.549

■ 100, 8.381,
341.549

■ 12, 8.381, 341.549

■ 42, 8.381, 341.549

■ 2, 8.381, 341.549

■ 52, 8.381, 341.549

■ 0, 8.381, 341.549

■ 62, 8.381, 341.549

■ 72, 8.381, 341.549

■ 82, 8.381, 341.549

■ 92, 8.381, 341.549

■ 22, 8.381, 341.549

■ 22, 8.381, 341.549

20, 12.186,
342.364

18, 15.945,
343.256

16, 19.569,
344.250

15, 22.944,
345.375

13, 25.930,
346.678

12, 28.380,
348.216

11, 30.517,
349.852

10, 32.393,
350.928

24, 4.588, 340.793

26, 0.851, 339.946

28, 2.805, 159.565

30, 6.366, 158.936

32, 9.826, 158.368

34, 13.183,
157.839

37, 16.440,
157.344

39, 19.600,
156.878

41, 22.670,
156.439

Harmonies

Complementary

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



22, 8.381, 341.549



25, 8.239, 158.392

Rectangle

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



22, 8.381, 341.549



22, 8.381, 31.549



22, 8.381, 161.549



22, 8.381, 211.549

Sweetspot

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



22, 8.380, 341.551



33, 3.237, 340.419



21, 9.827, 307.116



15, 2.067, 340.417



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



22, 8.380, 341.551



28, 12.668, 342.022



22, 6.761, 14.217



10, 2.021, 340.502



19, 42.200, 353.015



48, 77.613, 355.855

Inverse Universe

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



22, 8.380, 341.551



28, 12.668, 342.022



25, 6.075, 191.109



10, 2.021, 340.502



19, 42.200, 353.015



48, 77.613, 355.855

Previews

White Background



This preview shows how the CIELCh color 22, 8.381, 341.549 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, 8.381, 341.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

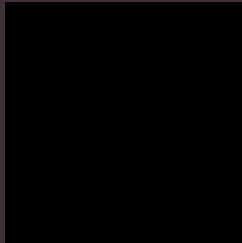
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 8.381, 341.549

Background



This preview shows how black text looks on a background with the CIELCh color 22, 8.381, 341.549.

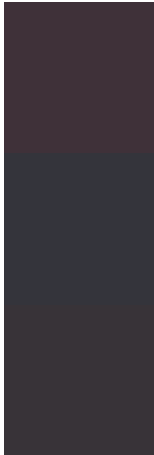


This preview shows how white text looks on a background with the CIELCh color 22, 8.381, 341.549.

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, 8.381, 341.549

Protanopia

22, 4.708, 291.242

Deuteranopia

22, 4.084, 324.832



Tritanopia
22, 6.676, 357.239

Trichromacy



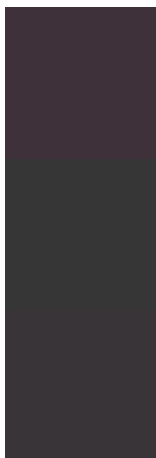
Original Color
22, 8.381, 341.549

Protanomaly
22, 5.244, 316.605

Deuteranomaly
22, 5.472, 333.088

Tritanomaly
22, 6.942, 352.109

Monochromacy



Original Color
22, 8.381, 341.549

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 3.071, 339.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 8.381, 341.549 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(63, 49, 57)` looks like.

```
.text, #text, p{  
    color:rgb(63, 49, 57)  
}
```

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(63, 49, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 49, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 8.381, 341.549 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(63, 49, 57) }
```

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

```
.border{ border-color:rgb(63, 49, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 49, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 49, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 49, 57);  
box-shadow:4px 4px 4px 4px rgb(63, 49, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 8.381, 341.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 49, 57) }
```

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

```
.background{ background-color: rgb(63, 49,  
57) }
```

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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