

Converting Colors

CIELCh(22, 5.647, 325.460)

Have a look what the booklet for
CIELCh(22, 5.647, 325.460) contains.

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Color

CIELCh(22, 5.160, 329.203)

Conversions

Conversions Part 1

Format	Color
Hex	3A3339
RGB	58, 51, 57
RGB Percent	23%, 20%, 22%
CMY	0.7740, 0.8014, 0.7779
CMYK	0.00, 0.12, 0.02, 0.77
HSL	309°, 6%, 21%
HSV	309°, 12%, 23%
XYZ	3.6200, 3.5154, 4.3097
YIQ	53.7770, 2.2460, 3.3500

Conversions

Conversions Part 2

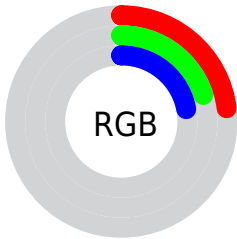
Format	Color
R _Y B	58, 51, 57
Decimal	3814201
CIE Lab	22.00, 4.43, -2.64
CIE LCh	22, 5.160, 329.203
Yxy	3.5154, 0.3163, 0.3072
Android (android.graphics.Color)	4282004281 (0xFF3A3339)
YUV	53.7770, 1.5889, 3.7036
Hunter-Lab	18.7494, 1.6515, -0.5035

Details

The CIELCh color **22, 5.160, 329.203** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 5.147, 147.977**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 5.390, 328.429**, and **2, 5.112, 331.075** is the 20% darker color. If you saturate the color by 10%, you get **20, 9.448, 329.736**, and if you desaturate by 10%, it is **24, 0.903, 328.583**.

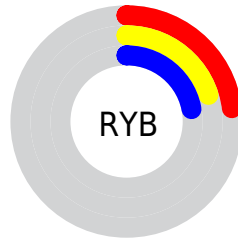
Distribution



Red (23%)

Green (20%)

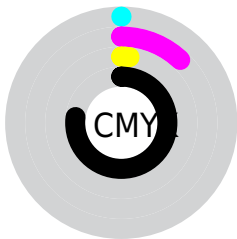
Blue (22%)



Red (23%)

Yellow (20%)

Blue (22%)

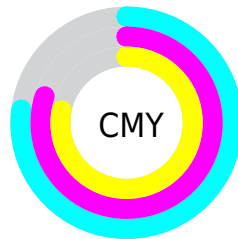


Cyan (0%)

Magenta (12%)

Yellow (2%)

Black (77%)



Cyan (77%)

Magenta (80%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 5.160, 329.203 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, 5.160, 329.203 by changing the saturation by 10% instead.

■ 22, 5.160, 329.203

■ 22, 5.160, 329.203

■ 100, 5.160,
329.203

■ 12, 5.160, 329.203

■ 42, 5.160, 329.203

■ 2, 5.160, 329.203

■ 52, 5.160, 329.203

■ 0, 5.160, 329.203

■ 62, 5.160, 329.203

■ 72, 5.160, 329.203

■ 82, 5.160, 329.203

■ 92, 5.160, 329.203

■ 22, 5.160, 329.203

■ 22, 5.160, 329.203

20, 9.448, 329.736

24, 0.903, 328.583

18, 13.720,
330.270

26, 3.287, 148.260

17, 17.909,
330.808

28, 7.392, 147.762

15, 21.923,
331.347

30, 11.398,
147.297

14, 25.650,
331.885

32, 15.301,
146.854

13, 28.956,
332.421

33, 19.099,
146.432

12, 31.707,
332.959

35, 22.793,
146.031

11, 34.221,
333.477

37, 26.387,
145.650

10, 36.401,
333.853

39, 29.885,
145.288

Harmonies

Complementary

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



22, 5.160, 329.203



23, 5.147, 147.977

Rectangle

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



22, 5.160, 329.203



22, 5.160, 19.203



22, 5.160, 149.203



22, 5.160, 199.203

Sweetspot

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



22, 5.159, 329.204



31, 2.087, 328.752



21, 4.745, 296.257



15, 1.497, 328.776



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, 5.159, 329.204



28, 7.870, 329.393



22, 3.694, 352.429



9, 2.298, 328.995



19, 49.357, 334.362



50, 92.111, 334.958

Inverse Universe

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



22, 5.159, 329.204



28, 7.870, 329.393



24, 3.608, 170.614



9, 2.298, 328.995



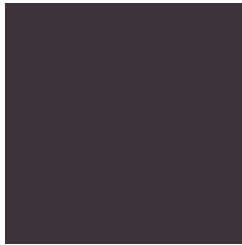
19, 49.357, 334.362



50, 92.111, 334.958

Previews

White Background



This preview shows how the CIELCh color 22, 5.160, 329.203 looks on a white background.

Color Contrast Check

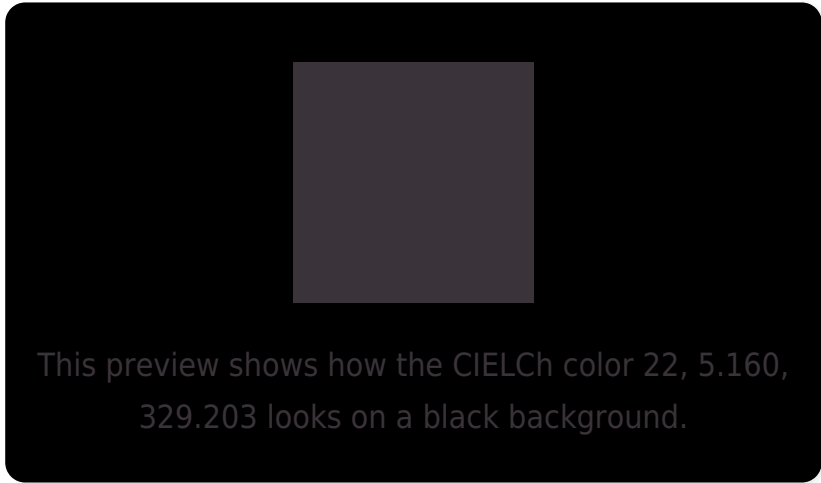
Large Text (above 18pt) WCAG AA ✓ Pass

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

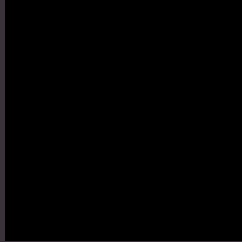
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 5.160, 329.203

Background



This preview shows how black text looks on a background with the CIELCh color 22, 5.160, 329.203.

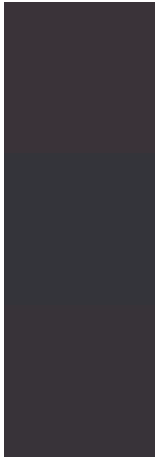


This preview shows how white text looks on a background with the CIELCh color 22, 5.160, 329.203.

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, 5.160, 329.203

Protanopia

22, 4.036, 291.094

Deuteranopia

22, 4.651, 320.187



Tritanopia
22, 3.870, 336.263

Trichromacy



Original Color

22, 5.160, 329.203

Protanomaly

22, 3.493, 305.866

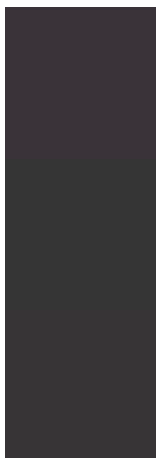
Deuteranomaly

22, 4.890, 324.913

Tritanomaly

22, 4.358, 329.907

Monochromacy



Original Color

22, 5.160, 329.203

Achromatopsia

22, 0.004, 296.813

Achromatomaly

22, 1.939, 335.915

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 22, 5.160, 329.203 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(58, 51, 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(58, 51, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 51, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 5.160, 329.203 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, 57) }
```

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

```
.border{ border-color:rgb(58, 51, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 51, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 51, 57);  
box-shadow:4px 4px 4px 4px rgb(58, 51, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 5.160, 329.203 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, 57) }
```

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

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