

Converting Colors

CIELCh(22, 9.078, 318.878)

Have a look what the booklet for
CIELCh(22, 9.078, 318.878) contains.

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Color

CIELCh(22, 9.029, 318.010)

Conversions

Conversions Part 1

Format	Color
Hex	3B323E
RGB	59, 50, 62
RGB Percent	23%, 20%, 24%
CMY	0.7700, 0.8052, 0.7582
CMYK	0.05, 0.19, 0.00, 0.76
HSL	285°, 11%, 22%
HSV	285°, 19%, 24%
XYZ	3.7691, 3.5154, 4.9870
YIQ	54.0590, 1.5120, 5.6400

Conversions

Conversions Part 2

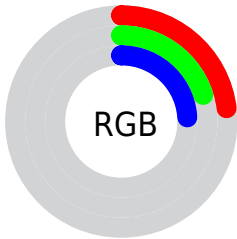
Format	Color
R_{YB}	59, 50, 62
Decimal	3879486
CIE Lab	22.00, 6.71, -6.04
CIE LCh	22, 9.029, 318.010
Yxy	3.5154, 0.3071, 0.2865
Android (android.graphics.Color)	4282069566 (0xFF3B323E)
YUV	54.0590, 3.9149, 4.3333
Hunter-Lab	18.7494, 3.0709, -2.6454

Details

The CIELCh color **22, 9.029, 318.010** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 8.934, 136.517**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 8.886, 318.355**, and **2, 9.203, 317.951** is the 20% darker color. If you saturate the color by 10%, you get **20, 13.753, 318.394**, and if you desaturate by 10%, it is **24, 4.351, 317.621**.

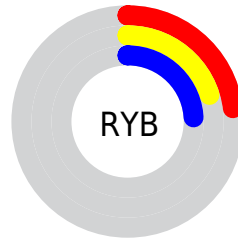
Distribution



Red (23%)

Green (20%)

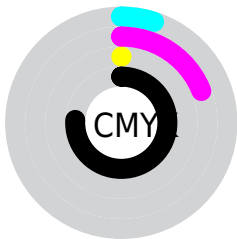
Blue (24%)



Red (23%)

Yellow (20%)

Blue (24%)

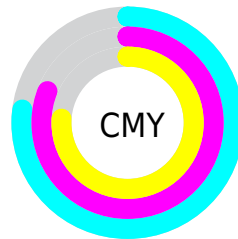


Cyan (5%)

Magenta (19%)

Yellow (0%)

Black (76%)



Cyan (77%)

Magenta (81%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 9.029, 318.010 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, 9.029, 318.010 by changing the saturation by 10% instead.

■ 22, 9.029, 318.010

■ 22, 9.029, 318.010

■ 100, 9.029,
318.010

■ 12, 9.029, 318.010

■ 42, 9.029, 318.010

■ 2, 9.029, 318.010

■ 52, 9.029, 318.010

■ 0, 9.029, 318.010

■ 62, 9.029, 318.010

■ 72, 9.029, 318.010

■ 82, 9.029, 318.010

■ 92, 9.029, 318.010

■ 22, 9.029, 318.010

■ 22, 9.029, 318.010

■ 20, 13.753,
318.394

■ 24, 4.351, 317.621

■ 18, 18.479,
318.768

■ 26, 0.249, 137.613

■ 16, 23.137,
319.118

■ 28, 4.753, 136.940

■ 14, 27.630,
319.422

■ 33, 13.440,
136.286

■ 13, 31.828,
319.654

■ 35, 17.618,
135.996

■ 11, 35.574,
319.782

■ 37, 21.686,
135.729

■ 10, 38.881,
319.825

■ 39, 25.648,
135.484

■ 8, 42.592, 320.020

■ 41, 29.508,
135.260

■ 8, 42.816, 320.037

Harmonies

Complementary

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



22, 9.029, 318.010



25, 8.934, 136.517

Rectangle

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



22, 9.029, 318.010



22, 9.029, 8.010



22, 9.029, 138.010



22, 9.029, 188.010

Sweetspot

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



22, 9.028, 318.010



32, 3.392, 317.493



22, 6.025, 278.355



15, 2.271, 317.498



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, 9.028, 318.010



28, 13.177, 318.184



22, 8.238, 332.802



10, 2.539, 317.580



16, 57.204, 319.522



43, 106.899, 318.888

Inverse Universe

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



22, 5.998, 1.178



28, 8.802, 1.649



25, 8.199, 150.549



10, 1.665, 0.114



18, 42.418, 21.330



47, 81.507, 26.209

Previews

White Background



This preview shows how the CIELCh color 22, 9.029, 318.010 looks on a white background.

Color Contrast Check

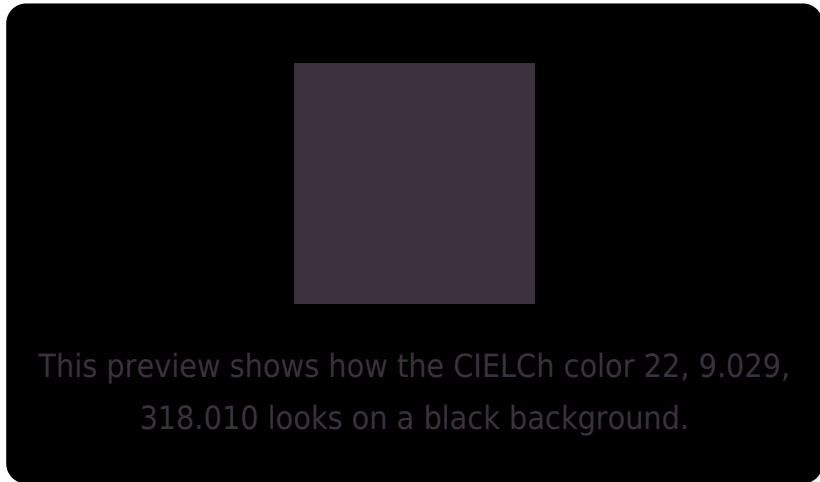
Large Text (above 18pt) WCAG AA ✓ Pass

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

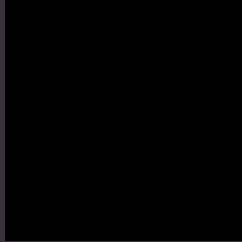
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 9.029, 318.010

Background



This preview shows how black text looks on a background with the CIELCh color 22, 9.029, 318.010.

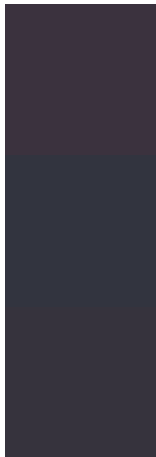


This preview shows how white text looks on a background with the CIELCh color 22, 9.029, 318.010.

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, 9.029, 318.010

Protanopia

22, 7.426, 285.271

Deuteranopia

22, 6.883, 302.671



Tritanopia
22, 4.215, 340.766

Trichromacy



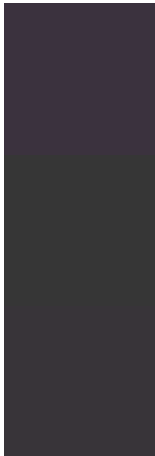
Original Color
22, 9.029, 318.010

Protanomaly
22, 8.144, 298.037

Deuteranomaly
22, 7.108, 309.711

Tritanomaly
22, 5.160, 329.203

Monochromacy



Original Color
22, 9.029, 318.010

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 3.834, 319.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 9.029, 318.010 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, 50, 62)` looks like.

```
.text, #text, p{  
    color:rgb(59, 50, 62)  
}
```

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, 50, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 50, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 9.029, 318.010 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, 50, 62) }
```

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

```
.border{ border-color:rgb(59, 50, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 50, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 50, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 50, 62);  
box-shadow:4px 4px 4px 4px rgb(59, 50, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 9.029, 318.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 50, 62) }
```

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

```
.background{ background-color: rgb(59, 50,  
62) }
```

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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