

Converting Colors

CIELCh(24, 2.459, 17.970)

Have a look what the booklet for
CIELCh(24, 2.459, 17.970) contains.

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Color

CIELCh(24, 2.316, 19.743)

Conversions

Conversions Part 1

Format	Color
Hex	3D3838
RGB	61, 56, 56
RGB Percent	24%, 22%, 22%
CMY	0.7609, 0.7805, 0.7806
CMYK	0.00, 0.08, 0.08, 0.76
HSL	0°, 4%, 23%
HSV	0°, 8%, 24%
XYZ	4.0468, 4.1002, 4.3142
YIQ	57.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

Format	Color
RYB	61, 56, 56
Decimal	4012088
CIELab	24.00, 2.18, 0.78
CIElCh	24, 2.316, 19.743
Yxy	4.1002, 0.3248, 0.3290
Android (android.graphics.Color)	4282202168 (0xFF3D3838)
YUV	57.4950, -0.7370, 3.0739
Hunter-Lab	20.2490, 0.2381, 1.5420

Details

The CIELCh color **24, 2.316, 19.743** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 2.215, 199.143**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 2.079, 19.500**, and **4, 2.272, 19.377** is the 20% darker color. If you saturate the color by 10%, you get **22, 5.318, 20.468**, and if you desaturate by 10%, it is **26, 0.490, 199.832**.

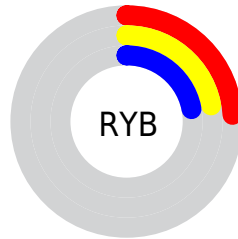
Distribution



Red (24%)

Green (22%)

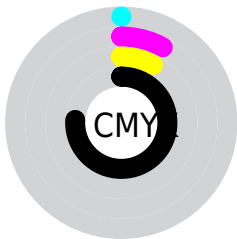
Blue (22%)



Red (24%)

Yellow (22%)

Blue (22%)

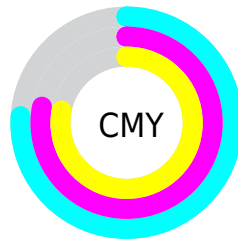


Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (76%)



Cyan (76%)

Magenta (78%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 2.316, 19.743 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 24, 2.316, 19.743 by changing the saturation by 10% instead.

■ 24, 2.316, 19.743

■ 24, 2.316, 19.743

100, 2.316, 19.743

■ 14, 2.316, 19.743

■ 44, 2.316, 19.743

■ 4, 2.316, 19.743

■ 54, 2.316, 19.743

■ 0, 2.316, 19.743

■ 64, 2.316, 19.743

■ 74, 2.316, 19.743

■ 84, 2.316, 19.743

■ 94, 2.316, 19.743

■ 24, 2.316, 19.743

■ 24, 2.316, 19.743

■ 22, 5.318, 20.468

■ 26, 0.490, 199.832

20, 8.522, 21.294	28, 3.112, 199.000
18, 11.924, 22.322	30, 5.564, 198.621
16, 15.502, 23.615	33, 7.862, 198.324
14, 19.216, 25.245	35, 10.023, 198.081
13, 22.937, 26.981	37, 12.061, 197.879
11, 26.158, 27.381	39, 13.991, 197.710
10, 28.810, 27.042	41, 15.823, 197.566
9, 31.556, 26.241	43, 17.570, 197.444

Harmonies

Complementary

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



24, 2.316, 19.743



25, 2.215, 199.143

Rectangle

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



24, 2.316, 19.743



24, 2.316, 69.743



24, 2.316, 199.743



24, 2.316, 249.743

Sweetspot

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



24, 2.315, 19.763



33, 0.687, 19.122



24, 4.026, 324.803



16, 0.394, 19.051



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 2.315, 19.763



31, 3.534, 19.919



25, 2.002, 74.479



10, 1.574, 19.779



17, 47.176, 34.880



46, 94.130, 40.002

Inverse Universe

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



25, 2.215, 199.143



33, 3.338, 199.017



24, 1.973, 256.404



11, 1.503, 199.130



36, 24.207, 196.420



80, 45.095, 196.423

Previews

White Background



This preview shows how the CIELCh color 24, 2.316, 19.743 looks on a white background.

Color Contrast Check

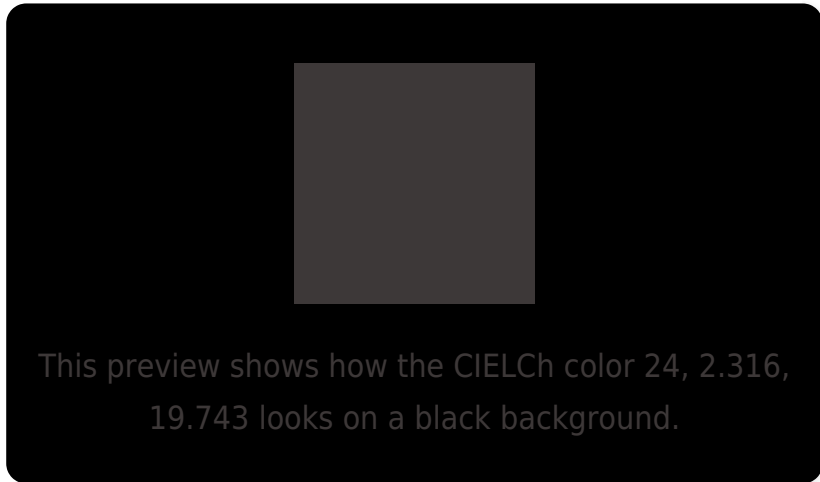
Large Text (above 18pt) WCAG AA ✓ Pass

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

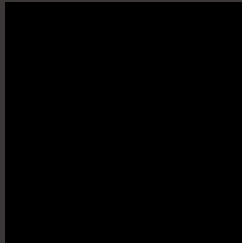
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 2.316, 19.743

Background



This preview shows how black text looks on a background with the CIELCh color 24, 2.316, 19.743.

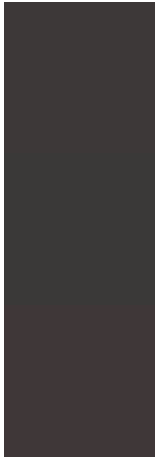


This preview shows how white text looks on a background with the CIELCh color 24, 2.316, 19.743.

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


24, 2.316, 19.743

Protanopia

24, 0.798, 74.871

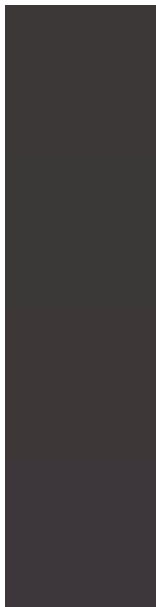
Deuteranopia

24, 3.783, 10.046



Tritanopia
24, 4.309, 329.876

Trichromacy



Original Color

24, 2.316, 19.743

Protanomaly

24, 1.127, 55.169

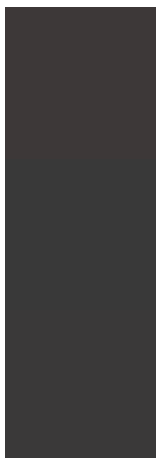
Deuteranomaly

24, 3.320, 8.512

Tritanomaly

24, 3.826, 336.226

Monochromacy



Original Color

24, 2.316, 19.743

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 0.457, 18.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 2.316, 19.743 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(61, 56, 56)` looks like.

```
.text, #text, p{  
    color:rgb(61, 56, 56)  
}
```

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(61, 56, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 56, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 2.316, 19.743 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(61, 56, 56) }
```

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

```
.border{ border-color:rgb(61, 56, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 56, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 56, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 56, 56);  
box-shadow:4px 4px 4px 4px rgb(61, 56, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 2.316, 19.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 56, 56) }
```

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

```
.background{ background-color: rgb(61, 56,  
56) }
```

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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