

Converting Colors

CIELCh(24, 2.383, 42.221)

Have a look what the booklet for
CIELCh(24, 2.383, 42.221) contains.

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Color

CIELCh(24, 2.418, 35.557)

Conversions

Conversions Part 1

Format	Color
Hex	3D3837
RGB	61, 56, 55
RGB Percent	24%, 22%, 22%
CMY	0.7607, 0.7803, 0.7842
CMYK	0.00, 0.08, 0.10, 0.76
HSL	10°, 5%, 23%
HSV	10°, 10%, 24%
XYZ	4.0320, 4.1002, 4.1969
YIQ	57.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

Format	Color
RYB	61, 56, 55
Decimal	4012087
CIELab	24.00, 1.97, 1.41
CIElCh	24, 2.418, 35.557
Yxy	4.1002, 0.3270, 0.3326
Android (android.graphics.Color)	4282202167 (0xFF3D3837)
YUV	57.3810, -1.1738, 3.1739
Hunter-Lab	20.2490, 0.1078, 1.8856

Details

The CIELCh color **24, 2.418, 35.557** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 2.291, 215.915**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 2.164, 35.498**, and **4, 2.433, 41.115** is the 20% darker color. If you saturate the color by 10%, you get **22, 5.056, 35.677**, and if you desaturate by 10%, it is **26, 0.041, 221.547**.

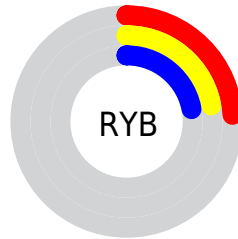
Distribution



 Red (24%)

 Green (22%)

 Blue (22%)



 Red (24%)

 Yellow (22%)

 Blue (22%)

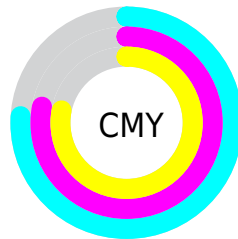


 Cyan (0%)

 Magenta (8%)

 Yellow (10%)

 Black (76%)



 Cyan (76%)

 Magenta (78%)

 Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 2.418, 35.557 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, 2.418, 35.557 by changing the saturation by 10% instead.

■ 24, 2.418, 35.557 ■ 24, 2.418, 35.557

■ 100, 2.418, 35.557 ■ 14, 2.418, 35.557

■ 44, 2.418, 35.557 ■ 4, 2.418, 35.557

■ 54, 2.418, 35.557 ■ 0, 2.418, 35.557

■ 64, 2.418, 35.557

■ 74, 2.418, 35.557

■ 84, 2.418, 35.557

■ 94, 2.418, 35.557

■ 24, 2.418, 35.557 ■ 24, 2.418, 35.557

■ 22, 5.056, 35.677 ■ 26, 0.041, 221.547

20, 7.886, 35.844	28, 2.334, 215.913
19, 10.919, 36.133	29, 4.479, 216.011
17, 14.156, 36.578	31, 6.489, 216.177
16, 17.588, 37.210	33, 8.380, 216.378
14, 21.100, 37.747	35, 10.164, 216.602
13, 24.141, 36.831	37, 11.854, 216.840
12, 26.718, 35.316	39, 13.459, 217.088
11, 29.092, 34.658	41, 14.989, 217.342

Harmonies

Complementary

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



24, 2.418, 35.557



25, 2.291, 215.915

Rectangle

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



24, 2.418, 35.557



24, 2.418, 85.557



24, 2.418, 215.557



24, 2.418, 265.557

Sweetspot

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



24, 2.418, 35.579



33, 0.893, 35.377



24, 4.309, 329.875



16, 0.685, 35.421



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, 2.418, 35.579



31, 3.697, 35.605



25, 2.780, 90.034



11, 1.361, 35.563



19, 44.704, 40.251



48, 90.821, 42.321

Inverse Universe

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



25, 2.291, 215.915



32, 3.448, 215.937



24, 2.781, 272.266



11, 1.300, 215.912



30, 21.043, 226.025



69, 39.200, 228.759

Previews

White Background



This preview shows how the CIELCh color 24, 2.418, 35.557 looks on a white background.

Color Contrast Check

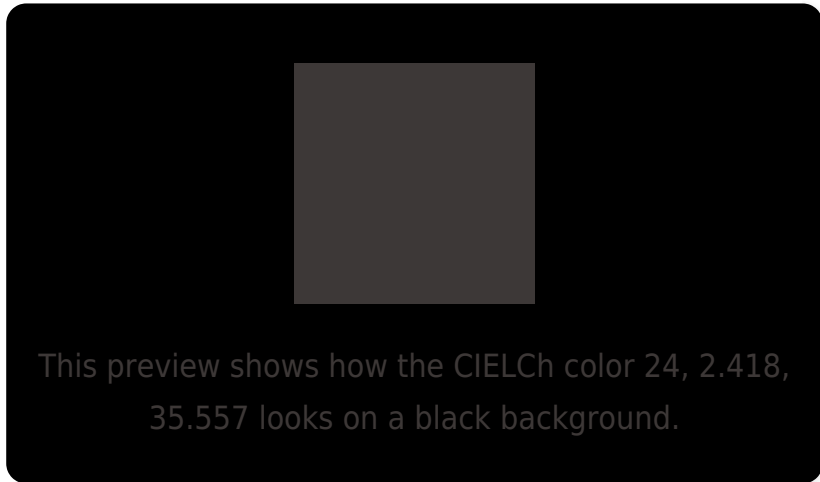
Large Text (above 18pt) WCAG AA ✓ Pass

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

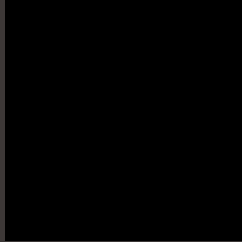
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 2.418, 35.557

Background



This preview shows how black text looks on a background with the CIELCh color 24, 2.418, 35.557.

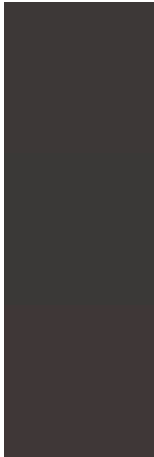


This preview shows how white text looks on a background with the CIELCh color 24, 2.418, 35.557.

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, 2.418, 35.557

Protanopia

24, 1.394, 90.508

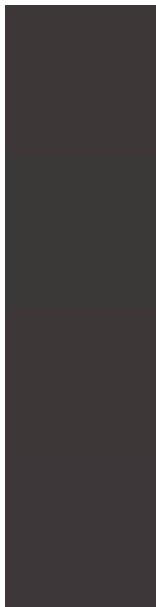
Deuteranopia

24, 3.745, 20.060



Tritanopia
24, 4.611, 334.345

Trichromacy



Original Color

24, 2.418, 35.557

Protanomaly

24, 1.606, 74.616

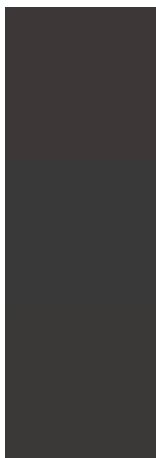
Deuteranomaly

24, 3.269, 19.960

Tritanomaly

24, 3.790, 348.514

Monochromacy



Original Color

24, 2.418, 35.557

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 0.798, 74.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 2.418, 35.557 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(61, 56, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 56, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 2.418, 35.557 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, 55) }
```

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

```
.border{ border-color:rgb(61, 56, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 56, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 56, 55);  
box-shadow:4px 4px 4px 4px rgb(61, 56, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 2.418, 35.557 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, 55) }
```

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

```
.background{ background-color: rgb(61, 56,  
55) }
```

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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