

Converting Colors

CIELCh(24, 4.769, 37.623)

Have a look what the booklet for
CIELCh(24, 4.769, 37.623) contains.

CIELCh(24, 4.941, 35.642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(24, 4.941, 35.642)

Conversions

Conversions Part 1

Format	Color
Hex	413735
RGB	65, 55, 53
RGB Percent	25%, 22%, 21%
CMY	0.7455, 0.7847, 0.7925
CMYK	0.00, 0.15, 0.18, 0.75
HSL	10°, 10%, 23%
HSV	10°, 18%, 25%
XYZ	4.1758, 4.1002, 3.9283
YIQ	57.7620, 6.6020, 1.4980

Conversions

Conversions Part 2

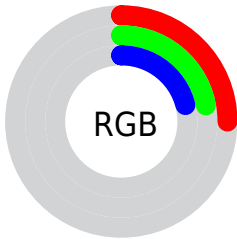
Format	Color
R_{YB}	65, 55, 53
Decimal	4273973
CIE Lab	24.00, 4.02, 2.88
CIE LCh	24, 4.941, 35.642
Yxy	4.1002, 0.3422, 0.3360
Android (android.graphics.Color)	4282464053 (0xFF413735)
YUV	57.7620, -2.3477, 6.3477
Hunter-Lab	20.2490, 1.3751, 2.6720

Details

The CIELCh color **24, 4.941, 35.642** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 4.439, 216.027**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 5.002, 40.788**, and **4, 4.907, 33.789** is the 20% darker color. If you saturate the color by 10%, you get **22, 7.899, 35.812**, and if you desaturate by 10%, it is **26, 2.186, 35.554**.

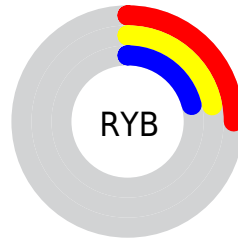
Distribution



Red (25%)

Green (22%)

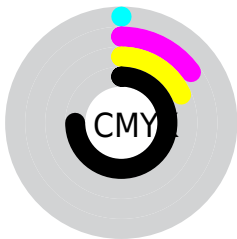
Blue (21%)



Red (25%)

Yellow (22%)

Blue (21%)

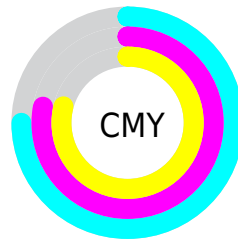


Cyan (0%)

Magenta (15%)

Yellow (18%)

Black (75%)



Cyan (75%)

Magenta (78%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 4.941, 35.642 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, 4.941, 35.642 by changing the saturation by 10% instead.

 24, 4.941, 35.642  24, 4.941, 35.642

 100, 4.941, 35.642  14, 4.941, 35.642

 44, 4.941, 35.642  4, 4.941, 35.642

 54, 4.941, 35.642  0, 4.941, 35.642

 64, 4.941, 35.642

 74, 4.941, 35.642

 84, 4.941, 35.642

 94, 4.941, 35.642

 24, 4.941, 35.642  24, 4.941, 35.642

 22, 7.899, 35.812  26, 2.186, 35.554

■ 20, 11.071, 36.091

■ 28, 0.378, 216.367

■ 19, 14.461, 36.527

■ 30, 2.770, 215.908

■ 17, 18.060, 37.152

■ 32, 5.005, 216.023

■ 15, 21.835, 37.975

■ 34, 7.100, 216.197

■ 14, 25.273, 37.710

■ 36, 9.070, 216.405

■ 13, 28.103, 36.376

■ 37, 10.930,
216.634

■ 12, 30.661, 35.683

■ 39, 12.690,
216.877

■ 12, 31.029, 35.659

■ 41, 14.362,
217.129

Harmonies

Complementary

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



24, 4.941, 35.642



26, 4.439, 216.027

Rectangle

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



24, 4.941, 35.642



24, 4.941, 85.642



24, 4.941, 215.642



24, 4.941, 265.642

Sweetspot

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



24, 4.941, 35.654



34, 1.904, 35.517



24, 8.564, 330.364



17, 1.275, 35.520



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 4.941, 35.654



31, 7.419, 35.712



26, 5.552, 89.074



12, 1.460, 35.555



20, 45.828, 40.482



49, 91.627, 42.305

Inverse Universe

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



26, 4.439, 216.027



33, 6.480, 216.136



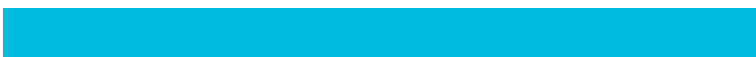
24, 5.535, 273.375



12, 1.393, 215.901



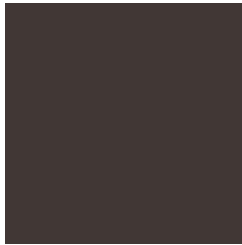
31, 21.438, 226.121



70, 39.538, 228.762

Previews

White Background



This preview shows how the CIELCh color 24, 4.941, 35.642 looks on a white background.

Color Contrast Check

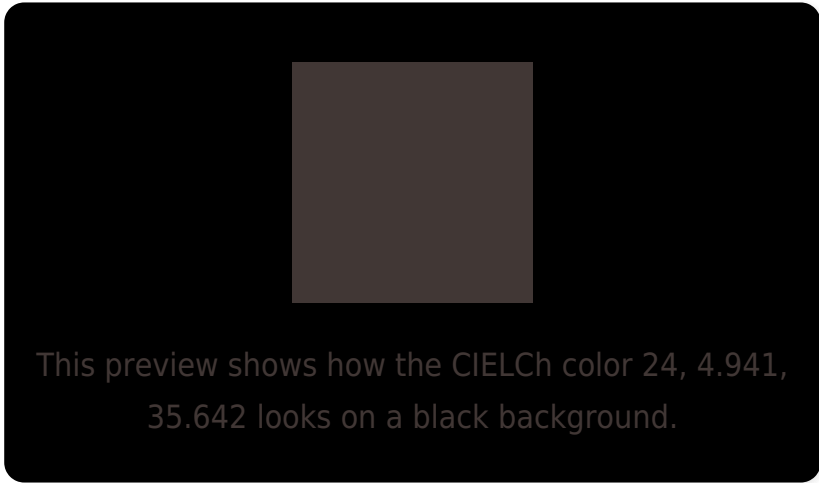
Large Text (above 18pt) WCAG AA ✓ Pass

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

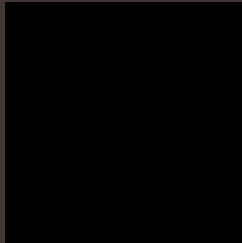
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 4.941, 35.642

Background



This preview shows how black text looks on a background with the CIELCh color 24, 4.941, 35.642.

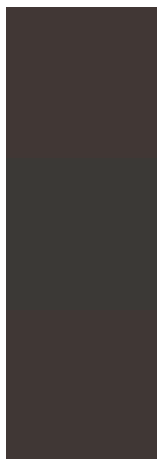


This preview shows how white text looks on a background with the CIELCh color 24, 4.941, 35.642.

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, 4.941, 35.642

Protanopia

24, 2.182, 84.445

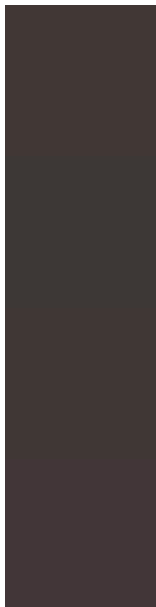
Deuteranopia

24, 4.474, 37.224



Tritanopia
24, 6.151, 355.230

Trichromacy



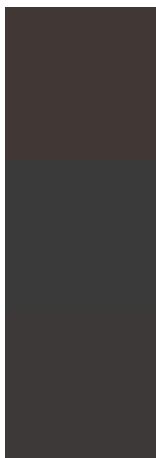
Original Color
24, 4.941, 35.642

Protanomaly
24, 2.686, 49.127

Deuteranomaly
24, 4.474, 37.224

Tritanomaly
24, 5.769, 7.330

Monochromacy



Original Color
24, 4.941, 35.642

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 1.962, 39.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 4.941, 35.642 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(65, 55, 53)` looks like.

```
.text, #text, p{  
    color:rgb(65, 55, 53)  
}
```

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(65, 55, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 55, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 4.941, 35.642 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(65, 55, 53) }
```

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

```
.border{ border-color:rgb(65, 55, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 55, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 55, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 55, 53);  
box-shadow:4px 4px 4px 4px rgb(65, 55, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 4.941, 35.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 55, 53) }
```

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

```
.background{ background-color: rgb(65, 55,  
53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor