

Converting Colors

CIELCh(24, 7.497, 55.222)

Have a look what the booklet for
CIELCh(24, 7.497, 55.222) contains.

CIELCh(24, 7.529, 57.775)	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, 7.529, 57.775)

Conversions

Conversions Part 1

Format	Color
Hex	433730
RGB	67, 55, 48
RGB Percent	26%, 22%, 19%
CMY	0.7384, 0.7854, 0.8128
CMYK	0.00, 0.18, 0.28, 0.74
HSL	22°, 17%, 22%
HSV	22°, 28%, 26%
XYZ	4.1758, 4.1002, 3.3382
YIQ	57.7900, 9.3990, 0.3670

Conversions

Conversions Part 2

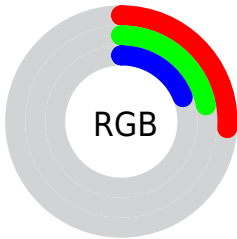
Format	Color
R_{YB}	67, 59, 48
Decimal	4405040
CIE Lab	24.00, 4.01, 6.37
CIE LCh	24, 7.529, 57.775
Yxy	4.1002, 0.3595, 0.3530
Android (android.graphics.Color)	4282595120 (0xFF433730)
YUV	57.7900, -4.8265, 8.0772
Hunter-Lab	20.2490, 1.3747, 4.3998

Details

The CIELCh color **24, 7.529, 57.775** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 6.653, 243.106**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 7.396, 59.889**, and **4, 7.278, 57.046** is the 20% darker color. If you saturate the color by 10%, you get **23, 10.492, 57.062**, and if you desaturate by 10%, it is **25, 4.737, 58.535**.

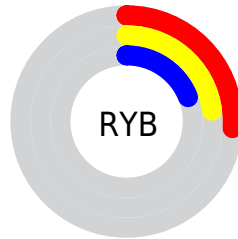
Distribution



Red (26%)

Green (22%)

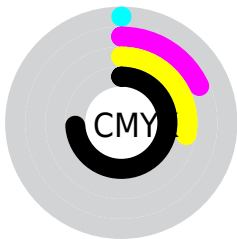
Blue (19%)



Red (26%)

Yellow (23%)

Blue (19%)

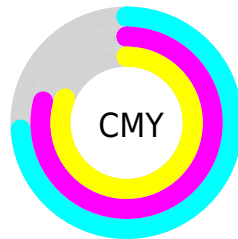


Cyan (0%)

Magenta (18%)

Yellow (28%)

Black (74%)



Cyan (74%)

Magenta (79%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 7.529, 57.775 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, 7.529, 57.775 by changing the saturation by 10% instead.

 24, 7.529, 57.775  24, 7.529, 57.775

 100, 7.529, 57.775  14, 7.529, 57.775

 44, 7.529, 57.775  4, 7.529, 57.775

 54, 7.529, 57.775  0, 7.529, 57.775


 64, 7.529, 57.775

 74, 7.529, 57.775

 84, 7.529, 57.775

 94, 7.529, 57.775

 24, 7.529, 57.775  24, 7.529, 57.775

 23, 10.492, 57.062  25, 4.737, 58.535

■ 21, 13.635, 56.383

■ 27, 2.107, 59.273

■ 20, 16.954, 55.753

■ 29, 0.377, 240.750

■ 18, 20.431, 55.166

■ 30, 2.728, 241.080

■ 17, 23.746, 54.132

■ 32, 4.960, 241.861

■ 16, 26.332, 51.955

■ 33, 7.085, 242.658

■ 15, 28.767, 50.047

■ 35, 9.115, 243.448

■ 15, 29.142, 49.804

■ 36, 11.061,
244.224

■ 38, 12.933,
244.983

Harmonies

Complementary

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



24, 7.529, 57.775



24, 6.653, 243.106

Rectangle

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



24, 7.529, 57.775



24, 7.529, 107.775



24, 7.529, 237.775



24, 7.529, 287.775

Sweetspot

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



24, 7.529, 57.784



35, 2.796, 59.209



22, 11.769, 339.041



17, 1.916, 59.161



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, 7.529, 57.784



31, 11.428, 57.277



27, 10.686, 101.392



12, 1.379, 59.269



23, 42.273, 51.925



54, 83.040, 50.669

Inverse Universe

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



24, 6.653, 243.106



31, 9.754, 244.111



21, 11.129, 287.371



12, 1.335, 240.904



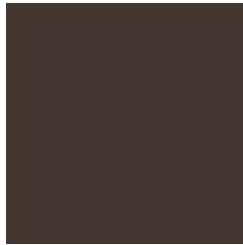
24, 26.122, 264.255



57, 50.715, 268.475

Previews

White Background



This preview shows how the CIELCh color 24, 7.529, 57.775 looks on a white background.

Color Contrast Check

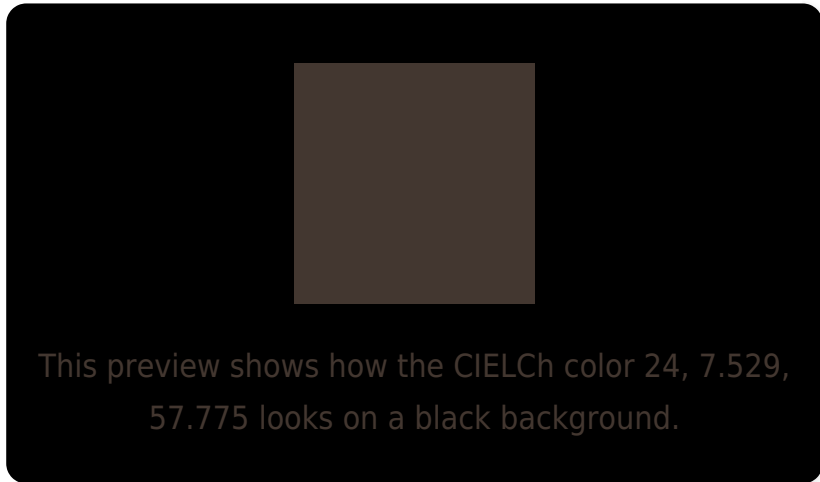
Large Text (above 18pt) WCAG AA ✓ Pass

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

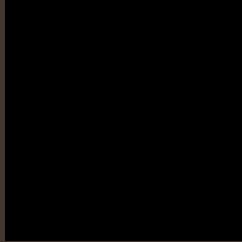
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 7.529, 57.775

Background



This preview shows how black text looks on a background with the CIELCh color 24, 7.529, 57.775.



This preview shows how white text looks on a background with the CIELCh color 24, 7.529, 57.775.

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, 7.529, 57.775

Protanopia

24, 5.468, 93.741

Deuteranopia

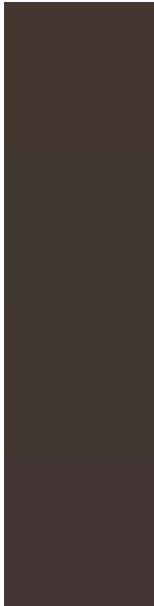
24, 7.137, 60.194



Tritanopia

24, 7.474, 0.287

Trichromacy



Original Color

24, 7.529, 57.775

Protanomaly

24, 5.464, 77.137

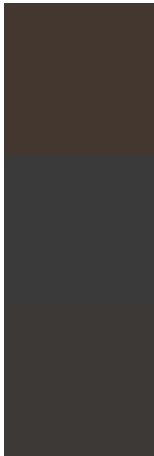
Deuteranomaly

24, 7.137, 60.194

Tritanomaly

24, 6.655, 20.664

Monochromacy



Original Color

24, 7.529, 57.775

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 2.719, 66.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 7.529, 57.775 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(67, 55, 48)` looks like.

```
.text, #text, p{  
    color:rgb(67, 55, 48)  
}
```

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(67, 55, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 55, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 7.529, 57.775 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(67, 55, 48) }
```

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

```
.border{ border-color:rgb(67, 55, 48) }
```

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

Here you see how a box with a 4 pixel rgb(67, 55, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 55, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 55, 48);  
box-shadow:4px 4px 4px 4px rgb(67, 55, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 7.529, 57.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 55, 48) }
```

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

```
.background{ background-color: rgb(67, 55,  
48) }
```

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