

Converting Colors

CIELCh(24, 9.569, 32.978)

Have a look what the booklet for
CIELCh(24, 9.569, 32.978) contains.

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Color

CIELCh(24, 9.534, 32.964)

Conversions

Conversions Part 1

Format	Color
Hex	483532
RGB	72, 53, 50
RGB Percent	28%, 21%, 20%
CMY	0.7193, 0.7937, 0.8054
CMYK	0.00, 0.27, 0.31, 0.72
HSL	8°, 18%, 24%
HSV	8°, 31%, 28%
XYZ	4.4651, 4.1002, 3.5309
YIQ	58.3390, 12.2870, 3.0950

Conversions

Conversions Part 2

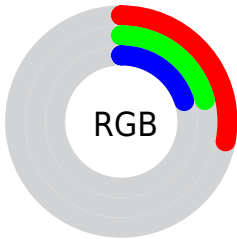
Format	Color
R_{YB}	72, 53, 50
Decimal	4732210
CIE _{Lab}	24.00, 8.00, 5.19
CIE _{LCh}	24, 9.534, 32.964
Yxy	4.1002, 0.3691, 0.3390
Android (android.graphics.Color)	4282922290 (0xFF483532)
YUV	58.3390, -4.1111, 11.9807
Hunter-Lab	20.2490, 3.9253, 3.8357

Details

The CIELCh color $24, 9.534, 32.964$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $28, 7.866, 212.665$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 9.429, 35.019$, and $4, 9.824, 31.245$ is the 20% darker color. If you saturate the color by 10%, you get $22, 13.116, 33.459$, and if you desaturate by 10%, it is $26, 6.191, 32.635$.

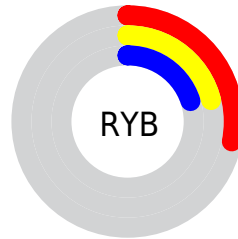
Distribution



Red (28%)

Green (21%)

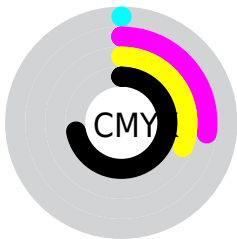
Blue (20%)



Red (28%)

Yellow (21%)

Blue (20%)

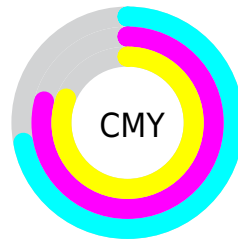


Cyan (0%)

Magenta (27%)

Yellow (31%)

Black (72%)



Cyan (72%)

Magenta (79%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 9.534, 32.964 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, 9.534, 32.964 by changing the saturation by 10% instead.

 24, 9.534, 32.964  24, 9.534, 32.964

 100, 9.534, 32.964  14, 9.534, 32.964

 44, 9.534, 32.964  4, 9.534, 32.964

 54, 9.534, 32.964  0, 9.534, 32.964

 64, 9.534, 32.964

 74, 9.534, 32.964

 84, 9.534, 32.964

 94, 9.534, 32.964

 24, 9.534, 32.964  24, 9.534, 32.964

 22, 13.116, 33.459  26, 6.191, 32.635

■ 20, 16.935, 34.142

■ 28, 3.082, 32.398

■ 18, 20.970, 35.059

■ 30, 0.191, 30.994

■ 17, 25.177, 36.237

■ 32, 2.500, 212.477

■ 15, 29.045, 36.577

■ 35, 5.009, 212.463

■ 14, 32.138, 35.806

■ 37, 7.355, 212.531

■ 13, 34.688, 35.741

■ 39, 9.555, 212.640

■ 41, 11.626,
212.778

■ 43, 13.583,
212.935

Harmonies

Complementary

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



24, 9.534, 32.964



28, 7.866, 212.665

Rectangle

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



24, 9.534, 32.964



24, 9.534, 82.964



24, 9.534, 212.964



24, 9.534, 262.964

Sweetspot

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



24, 9.533, 32.971



37, 3.174, 32.366



24, 15.813, 329.941



17, 2.179, 32.384



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



24, 9.533, 32.971



30, 14.536, 33.331



27, 9.840, 84.815



13, 1.591, 32.348



20, 47.428, 39.590



49, 93.346, 41.623

Inverse Universe

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



28, 7.866, 212.665



35, 11.343, 212.889



24, 9.665, 272.571



14, 1.515, 212.477



33, 21.993, 220.093



73, 40.027, 222.129

Previews

White Background



This preview shows how the CIELCh color 24, 9.534, 32.964 looks on a white background.

Color Contrast Check

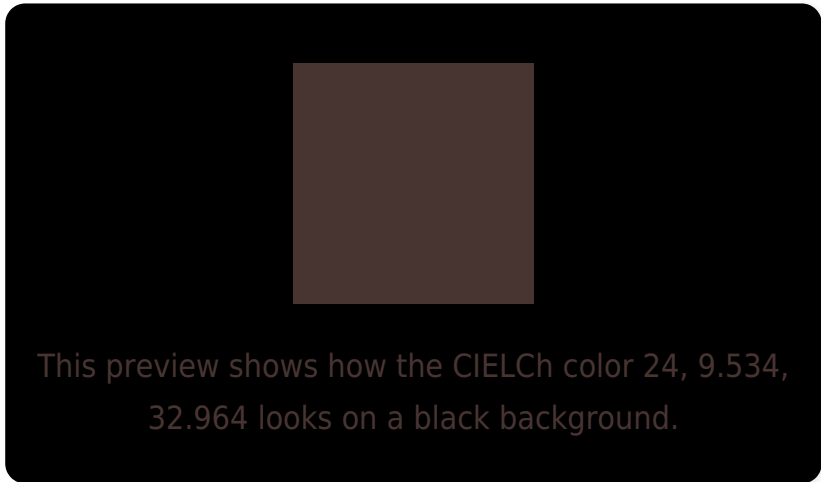
Large Text (above 18pt) WCAG AA ✓ Pass

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

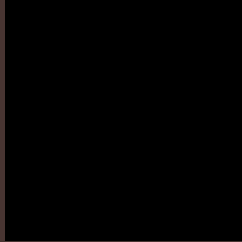
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 9.534, 32.964

Background



This preview shows how black text looks on a background with the CIELCh color 24, 9.534, 32.964.

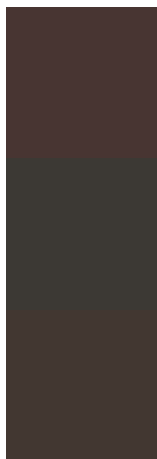


This preview shows how white text looks on a background with the CIELCh color 24, 9.534, 32.964.

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, 9.534, 32.964

Protanopia

24, 3.586, 86.162

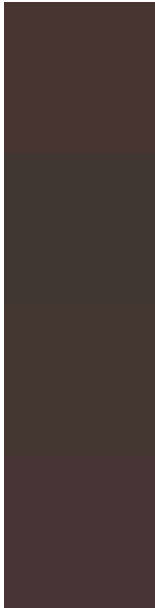
Deuteranopia

24, 6.696, 56.196



Tritanopia
24, 9.772, 5.870

Trichromacy



Original Color

24, 9.534, 32.964

Protanomaly

24, 5.076, 51.293

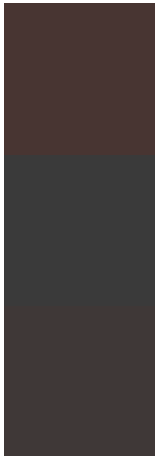
Deuteranomaly

24, 7.641, 45.929

Tritanomaly

24, 9.622, 13.545

Monochromacy



Original Color

24, 9.534, 32.964

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 3.342, 31.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 9.534, 32.964 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(72, 53, 50)` looks like.

```
.text, #text, p{  
    color:rgb(72, 53, 50)  
}
```

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(72, 53, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 53, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 9.534, 32.964 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(72, 53, 50) }
```

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

```
.border{ border-color:rgb(72, 53, 50) }
```

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

Here you see how a box with a 4 pixel rgb(72, 53, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 53, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 53, 50);  
box-shadow:4px 4px 4px 4px rgb(72, 53, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 9.534, 32.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 53, 50) }
```

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

```
.background{ background-color: rgb(72, 53,  
50) }
```

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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