

Converting Colors

CIELCh(24, 9.551, 38.061)

Have a look what the booklet for
CIELCh(24, 9.551, 38.061) contains.

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Color

CIELCh(24, 9.271, 37.363)

Conversions

Conversions Part 1

Format	Color
Hex	473531
RGB	71, 53, 49
RGB Percent	28%, 21%, 19%
CMY	0.7218, 0.7924, 0.8080
CMYK	0.00, 0.25, 0.31, 0.72
HSL	11°, 18%, 24%
HSV	11°, 31%, 28%
XYZ	4.4185, 4.1002, 3.4585
YIQ	57.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

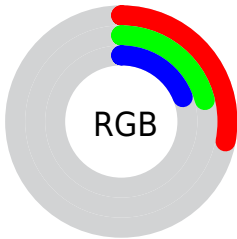
Format	Color
RYB	71, 54, 49
Decimal	4666673
CIELab	24.00, 7.37, 5.63
CIELCh	24, 9.271, 37.363
Yxy	4.1002, 0.3689, 0.3423
Android (android.graphics.Color)	4282856753 (0xFF473531)
YUV	57.9260, -4.4005, 11.4659
Hunter-Lab	20.2490, 3.5141, 4.0476

Details

The CIELCh color $24, 9.271, 37.363$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $27, 7.658, 218.350$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 9.210, 39.164$, and $4, 9.401, 36.874$ is the 20% darker color. If you saturate the color by 10%, you get $22, 12.725, 37.616$, and if you desaturate by 10%, it is $26, 6.050, 37.252$.

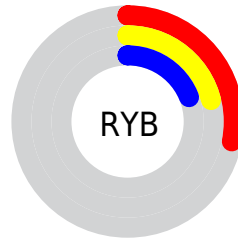
Distribution



Red (28%)

Green (21%)

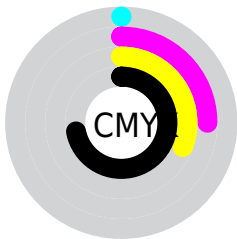
Blue (19%)



Red (28%)

Yellow (21%)

Blue (19%)

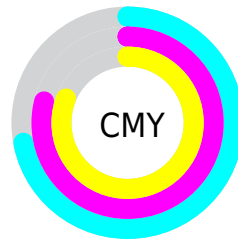


Cyan (0%)

Magenta (25%)

Yellow (31%)

Black (72%)



Cyan (72%)

Magenta (79%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 9.271, 37.363 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, 9.271, 37.363 by changing the saturation by 10% instead.

 24, 9.271, 37.363  24, 9.271, 37.363

 100, 9.271, 37.363  14, 9.271, 37.363

 44, 9.271, 37.363  4, 9.271, 37.363

 54, 9.271, 37.363  0, 9.271, 37.363

 64, 9.271, 37.363

 74, 9.271, 37.363

 84, 9.271, 37.363

 94, 9.271, 37.363

 24, 9.271, 37.363  24, 9.271, 37.363

 22, 12.725, 37.616  26, 6.050, 37.252

■ 20, 16.417, 38.024

■ 28, 3.055, 37.214

■ 19, 20.332, 38.622

■ 30, 0.268, 36.415

■ 17, 24.433, 39.428

■ 32, 2.327, 217.654

■ 16, 28.193, 39.341

■ 34, 4.750, 217.798

■ 14, 31.227, 38.180

■ 36, 7.019, 218.018

■ 13, 33.718, 37.729

■ 38, 9.150, 218.273

■ 40, 11.159,
218.549

■ 42, 13.060,
218.839

Harmonies

Complementary

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



24, 9.271, 37.363



27, 7.658, 218.350

Rectangle

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



24, 9.271, 37.363



24, 9.271, 87.363



24, 9.271, 217.363



24, 9.271, 267.363

Sweetspot

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



24, 9.270, 37.370



37, 3.075, 37.208



23, 15.496, 331.094



17, 2.111, 37.211



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, 9.270, 37.370



30, 14.085, 37.539



27, 10.152, 87.584



13, 1.541, 37.204



20, 46.685, 41.309



49, 91.920, 42.675

Inverse Universe

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



27, 7.658, 218.350



35, 11.033, 218.769



24, 10.089, 275.308



13, 1.470, 217.655



31, 21.836, 229.335



70, 39.987, 232.135

Previews

White Background



This preview shows how the CIELCh color 24, 9.271, 37.363 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



This preview shows how the CIE LCh color 24, 9.271, 37.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

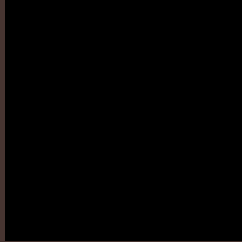
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 9.271, 37.363

Background



This preview shows how black text looks on a background with the CIELCh color 24, 9.271, 37.363.

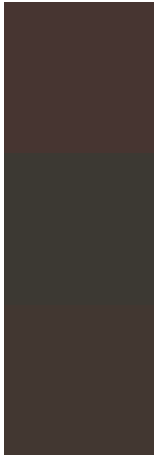


This preview shows how white text looks on a background with the CIELCh color 24, 9.271, 37.363.

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, 9.271, 37.363

Protanopia

24, 4.204, 89.485

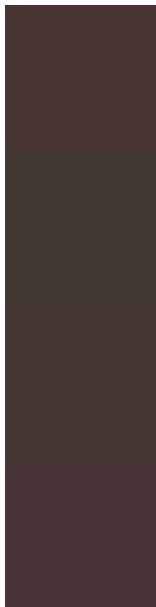
Deuteranopia

24, 6.696, 56.196



Tritanopia
24, 9.772, 5.870

Trichromacy



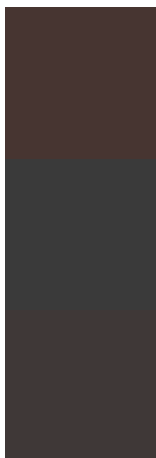
Original Color
24, 9.271, 37.363

Protanomaly
24, 5.544, 65.193

Deuteranomaly
24, 7.641, 45.929

Tritanomaly
24, 9.618, 17.437

Monochromacy



Original Color
24, 9.271, 37.363

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, 9.271, 37.363 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(71, 53, 49)` looks like.

```
.text, #text, p{  
    color:rgb(71, 53, 49)  
}
```

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(71, 53, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 53, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 9.271, 37.363 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(71, 53, 49) }
```

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

```
.border{ border-color:rgb(71, 53, 49) }
```

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

Here you see how a box with a 4 pixel rgb(71, 53, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 53, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 53, 49);  
box-shadow:4px 4px 4px 4px rgb(71, 53, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 9.271, 37.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 53, 49) }
```

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

```
.background{ background-color: rgb(71, 53,  
49) }
```

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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