

Converting Colors

CIELCh(24, 38.793, 307.614)

Have a look what the booklet for
CIELCh(24, 38.793, 307.614)
contains.

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Color

CIELCh(24, 38.793, 307.614)

Conversions

Conversions Part 1

Format	Color
Hex	432E68
RGB	67, 46, 104
RGB Percent	26%, 18%, 41%
CMY	0.7387, 0.8209, 0.5936
CMYK	0.36, 0.56, 0.00, 0.59
HSL	262°, 39%, 29%
HSV	262°, 56%, 41%
XYZ	5.7332, 4.1002, 13.4862
YIQ	58.8910, -6.1020, 22.4900

Conversions

Conversions Part 2

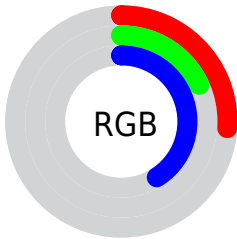
Format	Color
R_{YB}	67, 46, 104
Decimal	4402792
CIE _{Lab}	24.00, 23.68, -30.73
CIE _{LCh}	24, 38.793, 307.614
Yxy	4.1002, 0.2459, 0.1758
Android (android.graphics.Color)	4282592872 (0xFF432E68)
YUV	58.8910, 22.2387, 7.1116
Hunter-Lab	20.2490, 15.1042, -25.3141

Details

The CIELCh color **24, 38.793, 307.614** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **41, 34.880, 121.422**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 38.683, 307.226**, and **4, 38.421, 307.372** is the 20% darker color. If you saturate the color by 10%, you get **21, 45.931, 308.319**, and if you desaturate by 10%, it is **27, 31.550, 306.888**.

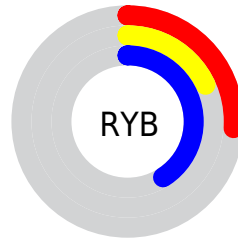
Distribution



Red (26%)

Green (18%)

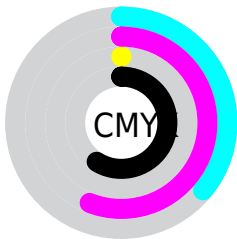
Blue (41%)



Red (26%)

Yellow (18%)

Blue (41%)

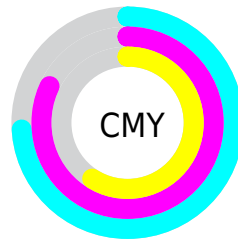


Cyan (36%)

Magenta (56%)

Yellow (0%)

Black (59%)



Cyan (74%)

Magenta (82%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 38.793, 307.614 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, 38.793, 307.614 by changing the saturation by 10% instead.

■ 24, 38.793,
307.614

■ 24, 38.793,
307.614

■ 100, 38.793,
307.614

■ 14, 38.793,
307.614

■ 44, 38.793,
307.614

■ 4, 38.793, 307.614

■ 54, 38.793,
307.614

■ 0, 38.793, 307.614

■ 64, 38.793,
307.614

■ 74, 38.793,
307.614

■ 84, 38.793,
307.614

■ 94, 38.793,

307.614

■ 24, 38.793,
307.614

■ 24, 38.793,
307.614

■ 21, 45.931,
308.319

■ 27, 31.550,
306.888

■ 18, 52.685,
308.931

■ 31, 24.367,
306.184

■ 15, 58.624,
309.343

■ 35, 17.332,
305.527

■ 13, 63.608,
309.571

■ 38, 10.485,
304.926

■ 12, 65.821,
309.780

■ 42, 3.845, 304.380

■ 45, 2.586, 123.930

■ 49, 8.813, 123.495

■ 52, 14.841,
123.123

■ 56, 20.682,
122.799

Harmonies

Complementary

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



24, 38.793, 307.614



41, 34.880, 121.422

Rectangle

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



24, 38.793, 307.614



24, 38.793, 357.614



24, 38.793, 127.614



24, 38.793, 177.614

Sweetspot

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



24, 38.792, 307.614



49, 13.950, 305.015



34, 17.319, 246.124



24, 9.424, 305.096



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



24, 38.792, 307.614



27, 58.045, 308.516



28, 40.486, 322.554



19, 3.608, 304.538



14, 70.855, 309.657



35, 123.769, 309.049

Inverse Universe

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



28, 32.642, 341.495



34, 46.755, 343.017



39, 40.014, 136.931



20, 3.279, 337.457



24, 49.786, 348.479



53, 85.367, 350.190

Previews

White Background



This preview shows how the CIE LCh color 24, 38.793, 307.614 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, 38.793, 307.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

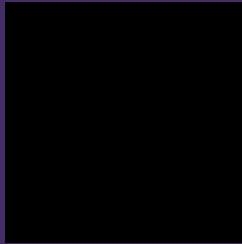
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 38.793, 307.614

Background



This preview shows how black text looks on a background with the CIELCh color 24, 38.793, 307.614.



This preview shows how white text looks on a background with the CIELCh color 24, 38.793, 307.614.

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, 38.793, 307.614

Protanopia

24, 39.200, 286.393

Deuteranopia

24, 29.356, 276.768



Tritanopia
24, 2.696, 300.264

Trichromacy



Original Color
24, 38.793, 307.614

Protanomaly
24, 38.384, 291.781

Deuteranomaly
24, 31.923, 287.783

Tritanomaly
24, 16.340, 304.822

Monochromacy



Original Color
24, 38.793, 307.614

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 14.376, 306.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 38.793, 307.614 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, 46, 104)` looks like.

```
.text, #text, p{  
    color:rgb(67, 46, 104)  
}
```

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, 46, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 46, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 38.793, 307.614 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, 46, 104) }
```

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

```
.border{ border-color:rgb(67, 46, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 46, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 46, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 46, 104);  
box-shadow:4px 4px 4px 4px rgb(67, 46,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 38.793, 307.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 46, 104) }
```

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

```
.background{ background-color: rgb(67, 46,  
104) }
```

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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