

Converting Colors

CIELCh(28, 23.744, 304.417)

Have a look what the booklet for
CIELCh(28, 23.744, 304.417)
contains.

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Color

CIELCh(28, 23.794, 304.428)

Conversions

Conversions Part 1

Format	Color
Hex	473C60
RGB	71, 60, 96
RGB Percent	28%, 24%, 38%
CMY	0.7205, 0.7637, 0.6225
CMYK	0.26, 0.37, 0.00, 0.62
HSL	258°, 23%, 31%
HSV	258°, 37%, 38%
XYZ	6.3710, 5.4574, 11.8500
YIQ	67.3930, -5.0000, 13.5280

Conversions

Conversions Part 2

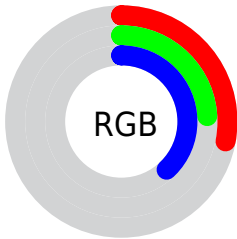
Format	Color
R_YB	71, 60, 96
Decimal	4668512
CIE Lab	28.00, 13.45, -19.63
CIE LCh	28, 23.794, 304.428
Yxy	5.4574, 0.2691, 0.2305
Android (android.graphics.Color)	4282858592 (0xFF473C60)
YUV	67.3930, 14.1033, 3.1633
Hunter-Lab	23.3610, 7.7985, -13.7225

Details

The CIELCh color **28, 23.794, 304.428** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **39, 22.164, 120.015**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 24.209, 304.418**, and **8, 23.441, 304.643** is the 20% darker color. If you saturate the color by 10%, you get **25, 30.580, 305.235**, and if you desaturate by 10%, it is **31, 17.165, 303.684**.

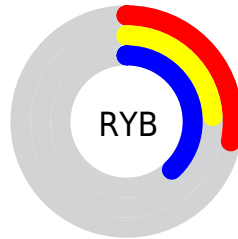
Distribution



Red (28%)

Green (24%)

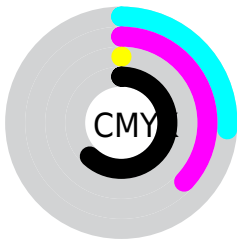
Blue (38%)



Red (28%)

Yellow (24%)

Blue (38%)

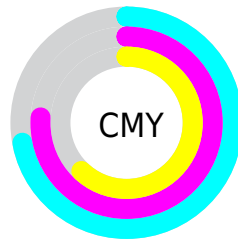


Cyan (26%)

Magenta (37%)

Yellow (0%)

Black (62%)



Cyan (72%)

Magenta (76%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 23.794, 304.428 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 28, 23.794, 304.428 by changing the saturation by 10% instead.

 28, 23.794,
304.428

 28, 23.794,
304.428

 100, 23.794,
304.428

 18, 23.794,
304.428


 48, 23.794,
304.428

 8, 23.794, 304.428

 58, 23.794,
304.428

 0, 23.794, 304.428

 68, 23.794,
304.428

 78, 23.794,
304.428

 88, 23.794,
304.428

 98, 23.794,

304.428

■ 28, 23.794,
304.428

■ 28, 23.794,
304.428

■ 25, 30.580,
305.235

■ 31, 17.165,
303.684

■ 21, 37.448,
306.081

■ 35, 10.728,
303.011

■ 18, 44.249,
306.923

■ 38, 4.495, 302.408

■ 15, 50.711,
307.683

■ 42, 1.534, 121.905

■ 13, 56.408,
308.244

■ 45, 7.367, 121.425

■ 11, 61.581,
308.774

■ 49, 13.011,
121.017

■ 52, 18.477,
120.662

■ 10, 63.087,
309.005

■ 55, 23.774,
120.354

■ 59, 28.913,
120.087

Harmonies

Complementary

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



28, 23.794, 304.428



39, 22.164, 120.015

Rectangle

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



28, 23.794, 304.428



28, 23.794, 354.428



28, 23.794, 124.428



28, 23.794, 174.428

Sweetspot

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



28, 23.793, 304.428



48, 8.316, 302.637



35, 11.329, 235.236



24, 5.639, 302.689



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



28, 23.793, 304.428



33, 35.916, 305.147



30, 25.652, 320.345



18, 3.426, 302.493



13, 70.432, 308.825



33, 124.035, 308.253

Inverse Universe

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



30, 21.833, 337.099



37, 32.293, 337.821



38, 25.260, 136.920



18, 3.268, 335.044



24, 50.635, 344.325



53, 87.493, 345.684

Previews

White Background



This preview shows how the CIE LCh color 28, 23.794, 304.428 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 28, 23.794, 304.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

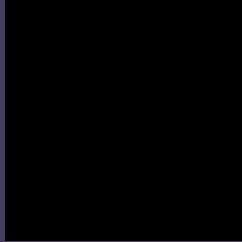
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 23.794, 304.428

Background



This preview shows how black text looks on a background with the CIELCh color 28, 23.794, 304.428.



This preview shows how white text looks on a background with the CIELCh color 28, 23.794, 304.428.

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


28, 23.794, 304.428

Protanopia

28, 22.791, 284.932

Deuteranopia

28, 18.995, 281.809



Tritanopia
28, 3.238, 290.815

Trichromacy



Original Color
28, 23.794, 304.428

Protanomaly
28, 23.322, 291.945

Deuteranomaly
28, 20.074, 290.828

Tritanomaly
28, 10.541, 301.162

Monochromacy



Original Color
28, 23.794, 304.428

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 8.611, 303.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 23.794, 304.428 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, 60, 96)` looks like.

```
.text, #text, p{  
    color:rgb(71, 60, 96)  
}
```

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, 60, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 60, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 23.794, 304.428 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, 60, 96) }
```

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

```
.border{ border-color:rgb(71, 60, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 60, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 60, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 60, 96);  
box-shadow:4px 4px 4px 4px rgb(71, 60, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 23.794, 304.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 60, 96) }
```

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

```
.background{ background-color: rgb(71, 60,  
96) }
```

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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