

Converting Colors

CIELCh(30, 23.539, 305.231)

Have a look what the booklet for
CIELCh(30, 23.539, 305.231)
contains.

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Color

CIELCh(30, 23.586, 305.219)

Conversions

Conversions Part 1

Format	Color
Hex	4D4165
RGB	77, 65, 101
RGB Percent	30%, 25%, 40%
CMY	0.6995, 0.7465, 0.6054
CMYK	0.24, 0.36, 0.00, 0.61
HSL	260°, 22%, 32%
HSV	260°, 36%, 39%
XYZ	7.2325, 6.2359, 13.0384
YIQ	72.6920, -4.4040, 13.7400

Conversions

Conversions Part 2

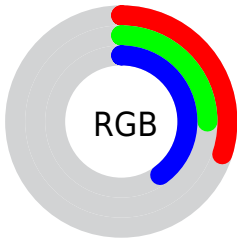
Format	Color
R_{YB}	77, 65, 101
Decimal	5063013
CIE _{Lab}	30.00, 13.60, -19.27
CIE _{LCh}	30, 23.586, 305.219
Yxy	6.2359, 0.2729, 0.2353
Android (android.graphics.Color)	4283253093 (0xFF4D4165)
YUV	72.6920, 13.9558, 3.7781
Hunter-Lab	24.9718, 7.9974, -13.4765

Details

The CIELCh color **30, 23.586, 305.219** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **41, 22.099, 121.193**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 23.499, 305.479**, and **10, 23.777, 305.071** is the 20% darker color. If you saturate the color by 10%, you get **27, 30.598, 305.970**, and if you desaturate by 10%, it is **34, 16.731, 304.524**.

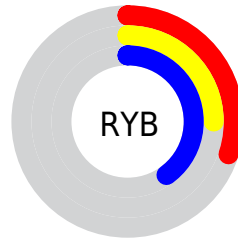
Distribution



Red (30%)

Green (25%)

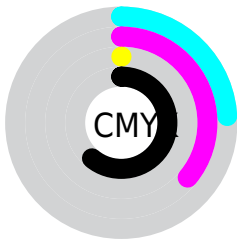
Blue (40%)



Red (30%)

Yellow (25%)

Blue (40%)

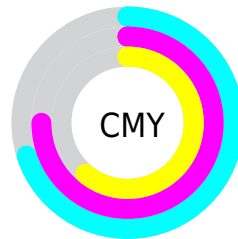


Cyan (24%)

Magenta (36%)

Yellow (0%)

Black (61%)



Cyan (70%)


Magenta (75%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 23.586, 305.219 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 30, 23.586, 305.219 by changing the saturation by 10% instead.


 30, 23.586,
305.219


 30, 23.586,
305.219

 100, 23.586,
305.219


 20, 23.586,
305.219


 50, 23.586,
305.219


 10, 23.586,
305.219

 60, 23.586,
305.219

 0, 23.586, 305.219

 70, 23.586,
305.219

 80, 23.586,
305.219

 90, 23.586,
305.219

■ 30, 23.586,
305.219

■ 30, 23.586,
305.219

■ 27, 30.598,
305.970

■ 34, 16.731,
304.524

■ 23, 37.693,
306.754

■ 37, 10.072,
303.893

■ 20, 44.720,
307.531

■ 41, 3.620, 303.324

■ 17, 51.415,
308.228

■ 44, 2.625, 122.851

■ 14, 57.359,
308.736

■ 48, 8.668, 122.403

■ 12, 62.423,
309.076

■ 51, 14.517,
122.018

■ 11, 64.794,
309.358

■ 55, 20.183,
121.684

■ 58, 25.676,
121.393

■ 61, 31.005,
121.142

Harmonies

Complementary

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



30, 23.586, 305.219



41, 22.099, 121.193

Rectangle

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



30, 23.586, 305.219



30, 23.586, 355.219



30, 23.586, 125.219



30, 23.586, 175.219

Sweetspot

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



30, 23.585, 305.219



50, 8.626, 303.634



36, 11.311, 237.364



25, 5.850, 303.686



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



30, 23.585, 305.219



36, 35.442, 305.852



32, 25.514, 320.798



19, 3.592, 303.500



14, 71.237, 309.202



34, 124.435, 308.620

Inverse Universe

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



32, 21.254, 338.215



39, 31.384, 338.932



40, 25.176, 137.466



20, 3.347, 336.204



24, 50.588, 346.339



54, 86.730, 347.845

Previews

White Background



This preview shows how the CIE LCh color 30, 23.586, 305.219 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 CIELCh color 30, 23.586, 305.219 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 30, 23.586, 305.219

Background



This preview shows how black text looks on a background with the CIELCh color 30, 23.586, 305.219.

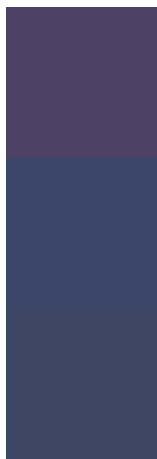


This preview shows how white text looks on a background with the CIELCh color 30, 23.586, 305.219.

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

30, 23.586, 305.219

Protanopia

30, 22.537, 284.537

Deuteranopia

30, 19.343, 284.059



Tritanopia
30, 3.331, 305.785

Trichromacy



Original Color
30, 23.586, 305.219

Protanomaly
30, 22.417, 291.472

Deuteranomaly
30, 20.504, 292.848

Tritanomaly
30, 10.604, 305.543

Monochromacy



Original Color
30, 23.586, 305.219

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 8.622, 305.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 23.586, 305.219 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(77, 65, 101)` looks like.

```
.text, #text, p{  
    color:rgb(77, 65, 101)  
}
```

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(77, 65, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 65, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 23.586, 305.219 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(77, 65, 101) }
```

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

```
.border{ border-color:rgb(77, 65, 101) }
```

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

Here you see how a box with a 4 pixel rgb(77, 65, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 65, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 65, 101);  
box-shadow:4px 4px 4px 4px rgb(77, 65,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 23.586, 305.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 65, 101) }
```

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

```
.background{ background-color: rgb(77, 65,  
101) }
```

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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