

Converting Colors

CIELCh(23, 30.374, 273.643)

Have a look what the booklet for
CIELCh(23, 30.374, 273.643)
contains.

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Color

CIELCh(23, 29.996, 273.132)

Conversions

Conversions Part 1

Format	Color
Hex	003964
RGB	0, 57, 100
RGB Percent	0%, 22%, 39%
CMY	1.0000, 0.7778, 0.6094
CMYK	1.00, 0.43, 0.00, 0.61
HSL	206°, 100%, 20%
HSV	206°, 100%, 39%
XYZ	3.7188, 3.8003, 12.4960
YIQ	44.8590, -47.7750, 1.2890

Conversions

Conversions Part 2

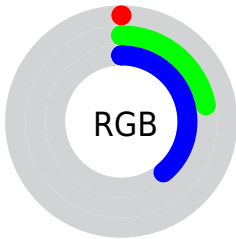
Format	Color
RYB	0, 36, 100
Decimal	14692
CIELab	23.00, 1.64, -29.95
CIELCh	23, 29.996, 273.132
Yxy	3.8003, 0.1858, 0.1899
Android (android.graphics.Color)	4278204772 (0xFF003964)
YUV	44.8590, 27.1845, -39.3413
Hunter-Lab	19.4944, -0.0644, -24.3589

Details

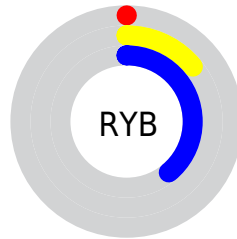
The CIELCh color **23, 29.996, 273.132** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **25, 42.415, 56.781**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 29.681, 272.361**, and **5, 28.718, 291.489** is the 20% darker color. If you saturate the color by 10%, you get **23, 29.974, 273.264**, and if you desaturate by 10%, it is **25, 27.283, 269.298**.

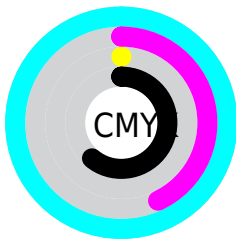
Distribution



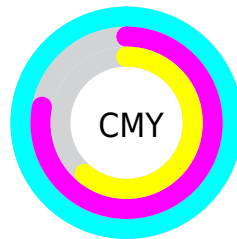
- Red (0%)
- Green (22%)
- Blue (39%)



- Red (0%)
- Yellow (14%)
- Blue (39%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (61%)





- Cyan (100%)
- Magenta (78%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 29.996, 273.132 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 23, 29.996, 273.132 by changing the saturation by 10% instead.

 23, 29.996,
273.132


 23, 29.996,
273.132

 100, 29.996,
273.132


 13, 29.996,
273.132


 43, 29.996,
273.132


 3, 29.996, 273.132

 53, 29.996,
273.132

 0, 29.996, 273.132

 63, 29.996,
273.132

 73, 29.996,
273.132

 83, 29.996,
273.132

 93, 29.996,

273.132

■ 23, 29.996,
273.132

■ 23, 29.996,
273.132

■ 23, 29.974,
273.264

■ 25, 27.283,
269.298

■ 26, 24.675,
265.195

■ 28, 22.004,
261.564

■ 30, 19.224,
258.429

■ 32, 16.314,
255.767

■ 34, 13.269,
253.528

■ 36, 10.098,
251.655

■ 38, 6.817, 250.093

■ 40, 3.446, 248.810

Harmonies

Complementary

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



23, 29.996, 273.132



25, 42.415, 56.781

Rectangle

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



23, 29.996, 273.132



23, 29.996, 323.132



23, 29.996, 93.132



23, 29.996, 143.132

Sweetspot

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



23, 29.974, 273.264



47, 12.557, 251.808



36, 46.975, 146.763



23, 8.598, 252.345



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



23, 29.974, 273.264



31, 37.143, 274.866



10, 62.456, 304.251



20, 1.975, 248.692



27, 33.584, 274.163



57, 61.312, 277.347

Inverse Universe

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



20, 43.731, 353.477



27, 52.612, 354.536



38, 45.974, 97.572



20, 3.122, 340.726



24, 48.196, 354.064



53, 82.795, 356.300

Previews

White Background



This preview shows how the CIE LCh color 23, 29.996, 273.132 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 23, 29.996, 273.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

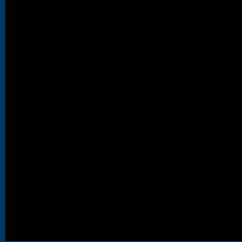
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 29.996, 273.132

Background



This preview shows how black text looks on a background with the CIELCh color 23, 29.996, 273.132.



This preview shows how white text looks on a background with the CIELCh color 23, 29.996, 273.132.

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

23, 29.996, 273.132

Protanopia

23, 28.787, 285.333

Deuteranopia

23, 30.297, 276.198



Tritanopia
23, 17.697, 205.361

Trichromacy



Original Color
23, 29.996, 273.132

Protanomaly
23, 29.278, 279.369

Deuteranomaly
23, 30.405, 275.479

Tritanomaly
23, 18.735, 237.838

Monochromacy



Original Color
23, 29.996, 273.132

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 12.813, 257.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 29.996, 273.132 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(0, 57, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 57, 100)  
}
```

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(0, 57, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 57, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 29.996, 273.132 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(0, 57, 100) }
```

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

```
.border{ border-color:rgb(0, 57, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 57, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 57, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 57, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 57, 100)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 29.996, 273.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 57, 100) }
```

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

```
.background{ background-color: rgb(0, 57,  
100) }
```

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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