

Converting Colors

CIELCh(23, 31.824, 276.032)

Have a look what the booklet for
CIELCh(23, 31.824, 276.032)
contains.

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Color

CIELCh(23, 31.735, 275.859)

Conversions

Conversions Part 1

Format	Color
Hex	003866
RGB	0, 56, 102
RGB Percent	0%, 22%, 40%
CMY	0.9992, 0.7800, 0.5996
CMYK	1.00, 0.45, 0.00, 0.60
HSL	207°, 100%, 20%
HSV	207°, 100%, 40%
XYZ	3.8250, 3.8003, 13.1305
YIQ	44.5000, -48.1420, 2.4340

Conversions

Conversions Part 2

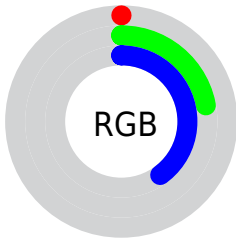
Format	Color
RYB	0, 36, 102
Decimal	14438
CIELab	23.00, 3.24, -31.57
CIELCh	23, 31.735, 275.859
Yxy	3.8003, 0.1843, 0.1831
Android (android.graphics.Color)	4278204518 (0xFF003866)
YUV	44.5000, 28.3475, -39.0265
Hunter-Lab	19.4944, 0.9080, -26.2888

Details

The CIELCh color **23, 31.735, 275.859** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **26, 43.003, 58.462**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 31.715, 276.079**, and **5, 30.811, 293.320** is the 20% darker color. If you saturate the color by 10%, you get **23, 31.798, 275.937**, and if you desaturate by 10%, it is **25, 28.780, 271.887**.

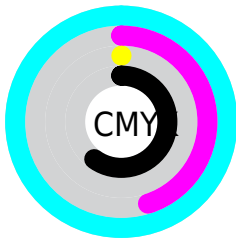
Distribution



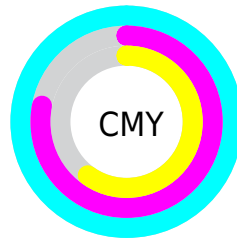
- Red (0%)
- Green (22%)
- Blue (40%)



- Red (0%)
- Yellow (14%)
- Blue (40%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (78%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 31.735, 275.859 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, 31.735, 275.859 by changing the saturation by 10% instead.

■ 23, 31.735,
275.859

■ 23, 31.735,
275.859

■ 100, 31.735,
275.859

■ 13, 31.735,
275.859

■ 43, 31.735,
275.859

■ 3, 31.735, 275.859

■ 53, 31.735,
275.859

■ 0, 31.735, 275.859

■ 63, 31.735,
275.859

■ 73, 31.735,
275.859

■ 83, 31.735,
275.859

■ 93, 31.735,

275.859

■ 23, 31.735,
275.859

■ 23, 31.735,
275.859

■ 23, 31.798,
275.937

■ 25, 28.780,
271.887

■ 27, 25.917,
267.801

■ 28, 23.016,
264.163

■ 30, 20.030,
261.005

■ 32, 16.934,
258.310

■ 35, 13.722,
256.033

■ 37, 10.401,
254.120

■ 39, 6.983, 252.519

■ 41, 3.487, 251.195

Harmonies

Complementary

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



23, 31.735, 275.859



26, 43.003, 58.462

Rectangle

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



23, 31.735, 275.859



23, 31.735, 325.859



23, 31.735, 95.859



23, 31.735, 145.859

Sweetspot

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



23, 31.735, 275.861



47, 12.965, 254.308



37, 46.354, 148.183



23, 8.744, 254.846



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, 31.735, 275.861



30, 39.288, 277.444



10, 65.329, 305.057



20, 1.999, 251.094



26, 34.948, 276.656



55, 63.964, 279.770

Inverse Universe

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



21, 44.095, 355.228



28, 52.953, 356.372



40, 47.750, 99.783



20, 3.078, 341.746



24, 47.837, 355.793



53, 82.260, 358.185

Previews

White Background



This preview shows how the CIE LCh color 23, 31.735, 275.859 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, 31.735, 275.859 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, 31.735, 275.859

Background



This preview shows how black text looks on a background with the CIELCh color 23, 31.735, 275.859.



This preview shows how white text looks on a background with the CIELCh color 23, 31.735, 275.859.

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, 31.735, 275.859

Protanopia

23, 30.788, 285.302

Deuteranopia

23, 29.996, 273.132



Tritanopia
23, 17.697, 205.361

Trichromacy



Original Color
23, 31.735, 275.859

Protanomaly
23, 31.178, 280.554

Deuteranomaly
23, 30.566, 273.914

Tritanomaly
23, 19.019, 239.848

Monochromacy



Original Color
23, 31.735, 275.859

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 13.340, 259.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 31.735, 275.859 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, 56, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 56, 102)  
}
```

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, 56, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 56, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 31.735, 275.859 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, 56, 102) }
```

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

```
.border{ border-color:rgb(0, 56, 102) }
```

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

Here you see how a box with a 4 pixel rgb(0, 56, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 56, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 56, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 56, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 31.735, 275.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 56, 102) }
```

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

```
.background{ background-color: rgb(0, 56,  
102) }
```

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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