

Converting Colors

CIELCh(23, 24.836, 263.102)

Have a look what the booklet for
CIELCh(23, 24.836, 263.102)
contains.

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Color

CIELCh(23, 24.624, 262.872)

Conversions

Conversions Part 1

Format	Color
Hex	003A5B
RGB	0, 58, 91
RGB Percent	0%, 23%, 36%
CMY	0.9989, 0.7720, 0.6425
CMYK	1.00, 0.36, 0.00, 0.64
HSL	202°, 99%, 18%
HSV	202°, 100%, 36%
XYZ	3.4187, 3.8003, 10.4863
YIQ	44.4200, -45.1610, -2.0330

Conversions

Conversions Part 2

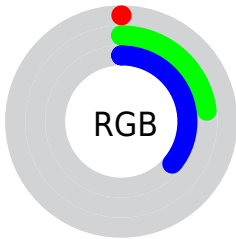
Format	Color
RYB	0, 35, 91
Decimal	14939
CIELab	23.00, -3.06, -24.43
CIELCh	23, 24.624, 262.872
Yxy	3.8003, 0.1931, 0.2146
Android (android.graphics.Color)	4278205019 (0xFF003A5B)
YUV	44.4200, 22.9639, -38.9563
Hunter-Lab	19.4944, -2.8121, -18.2469

Details

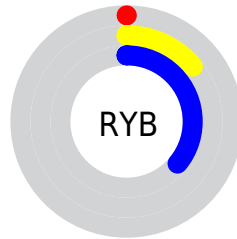
The CIELCh color **23, 24.624, 262.872** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **21, 39.893, 51.354**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 24.425, 262.014**, and **5, 22.125, 284.987** is the 20% darker color. If you saturate the color by 10%, you get **23, 24.682, 262.979**, and if you desaturate by 10%, it is **24, 22.726, 259.030**.

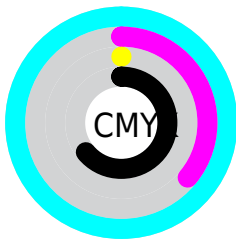
Distribution



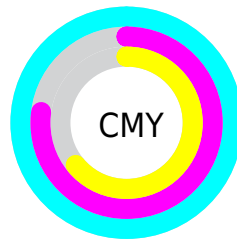
- Red (0%)
- Green (23%)
- Blue (36%)



- Red (0%)
- Yellow (14%)
- Blue (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (64%)





- Cyan (100%)
- Magenta (77%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 24.624, 262.872 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, 24.624, 262.872 by changing the saturation by 10% instead.

 23, 24.624,
262.872


 23, 24.624,
262.872

 100, 24.624,
262.872


 13, 24.624,
262.872


 43, 24.624,
262.872

 3, 24.624, 262.872

 53, 24.624,
262.872

 0, 24.624, 262.872

 63, 24.624,
262.872

 73, 24.624,
262.872

 83, 24.624,
262.872

 93, 24.624,

262.872

■ 23, 24.624,
262.872

■ 23, 24.624,
262.872

■ 23, 24.682,
262.979

■ 24, 22.726,
259.030

■ 26, 20.863,
255.074

■ 27, 18.851,
251.662

■ 29, 16.654,
248.781

■ 30, 14.263,
246.382

■ 32, 11.684,
244.401

■ 34, 8.935, 242.773

■ 35, 6.040, 241.442

■ 37, 3.023, 240.378

Harmonies

Complementary

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



23, 24.624, 262.872



21, 39.893, 51.354

Rectangle

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



23, 24.624, 262.872



23, 24.624, 312.872



23, 24.624, 82.872



23, 24.624, 132.872

Sweetspot

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



23, 24.624, 262.873



43, 11.081, 242.954



33, 46.373, 144.456



20, 7.442, 243.357



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



23, 24.624, 262.873



30, 30.050, 264.694



10, 54.610, 302.140



18, 1.758, 240.300



28, 28.503, 264.272



60, 52.441, 267.836

Inverse Universe

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



18, 42.479, 347.788



25, 50.509, 348.661



33, 41.491, 92.928



17, 2.996, 337.509



23, 48.211, 348.454



52, 83.958, 350.280

Previews

White Background



This preview shows how the CIELCh color 23, 24.624, 262.872 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, 24.624, 262.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

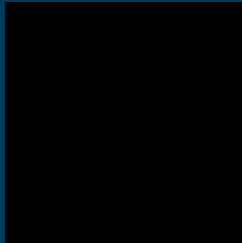
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 24.624, 262.872

Background



This preview shows how black text looks on a background with the CIELCh color 23, 24.624, 262.872.



This preview shows how white text looks on a background with the CIELCh color 23, 24.624, 262.872.

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, 24.624, 262.872

Protanopia

23, 22.774, 285.529

Deuteranopia

23, 24.576, 277.926

Trichromacy



Original Color
23, 24.624, 262.872

Protanomaly
23, 23.090, 272.842

Deuteranomaly
23, 24.702, 270.936

Monochromacy



Original Color
23, 24.624, 262.872

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 11.077, 246.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 24.624, 262.872 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, 58, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 58, 91)  
}
```

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, 58, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 58, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 24.624, 262.872 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, 58, 91) }
```

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

```
.border{ border-color:rgb(0, 58, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 58, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 58, 91); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 58, 91); box-shadow:4px  
4px 4px 4px rgb(0, 58, 91) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 24.624, 262.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 58, 91) }
```

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

```
.background{ background-color: rgb(0, 58,  
91) }
```

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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