

Converting Colors

CIELCh(23, 35.516, 122.792)

Have a look what the booklet for
CIELCh(23, 35.516, 122.792)
contains.

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Color

CIELCh(23, 35.260, 122.721)

Conversions

Conversions Part 1

Format	Color
Hex	263D03
RGB	38, 61, 3
RGB Percent	15%, 24%, 1%
CMY	0.8497, 0.7594, 0.9867
CMYK	0.38, 0.00, 0.94, 0.76
HSL	84°, 89%, 13%
HSV	84°, 94%, 24%
XYZ	2.5175, 3.8003, 0.6985
YIQ	47.5110, 4.9100, -22.9140

Conversions

Conversions Part 2

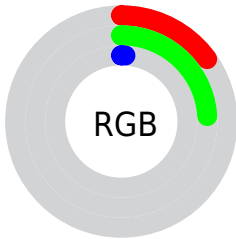
Format	Color
RYB	3, 61, 26
Decimal	2505987
CIELab	23.00, -19.06, 29.66
CIELCh	23, 35.260, 122.721
Yxy	3.8003, 0.3588, 0.5416
Android (android.graphics.Color)	4280696067 (0xFF263D03)
YUV	47.5110, -21.9439, -8.3411
Hunter-Lab	19.4944, -11.0638, 11.5218

Details

The CIELCh color **23, 35.260, 122.721** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 41.294, 309.876**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 35.502, 122.592**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 36.774, 122.813**, and if you desaturate by 10%, it is **23, 32.537, 122.529**.

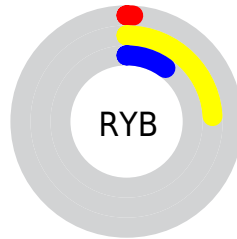
Distribution



Red (15%)

Green (24%)

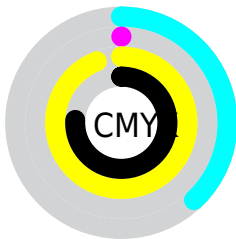
Blue (1%)



Red (1%)

Yellow (24%)

Blue (10%)

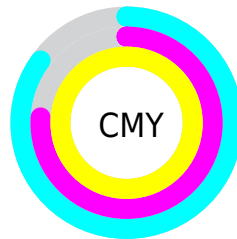


Cyan (38%)

Magenta (0%)

Yellow (94%)

Black (76%)



Cyan (85%)


Magenta (76%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 35.260, 122.721 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, 35.260, 122.721 by changing the saturation by 10% instead.

 23, 35.260,
122.721


 23, 35.260,
122.721

 100, 35.260,
122.721


 13, 35.260,
122.721


 43, 35.260,
122.721


 3, 35.260, 122.721

 53, 35.260,
122.721

 0, 35.260, 122.721

 63, 35.260,
122.721

 73, 35.260,
122.721

 83, 35.260,
122.721

 93, 35.260,

122.721

■ 23, 35.260,
122.721

■ 23, 35.260,
122.721

■ 23, 36.774,
122.813

■ 23, 32.537,
122.529

■ 23, 29.526,
122.506

■ 24, 26.073,
122.709

■ 24, 22.331,
123.038

■ 24, 18.397,
123.440

■ 25, 14.339,
123.879

■ 25, 10.207,
124.332

■ 25, 6.038, 124.783

■ 26, 1.857, 125.230

Harmonies

Complementary

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



23, 35.260, 122.721



6, 41.294, 309.876

Rectangle

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



23, 35.260, 122.721



23, 35.260, 172.721



23, 35.260, 302.721



23, 35.260, 352.721

Sweetspot

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



23, 35.260, 122.722



32, 14.421, 124.116



14, 25.268, 51.363



16, 10.042, 124.031



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 35.260, 122.722



30, 44.605, 122.777



22, 40.039, 135.680



11, 2.312, 125.051



36, 50.530, 123.172



80, 95.070, 124.424

Inverse Universe

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



6, 41.294, 309.876



8, 53.957, 310.799



11, 40.186, 324.169



10, 2.344, 305.755



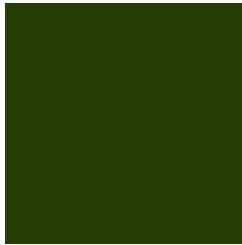
11, 61.129, 310.528



33, 114.944, 309.690

Previews

White Background



This preview shows how the CIELCh color 23, 35.260, 122.721 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

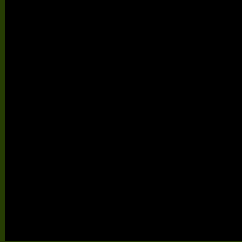
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 35.260, 122.721

Background



This preview shows how black text looks on a background with the CIELCh color 23, 35.260, 122.721.



This preview shows how white text looks on a background with the CIELCh color 23, 35.260, 122.721.

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

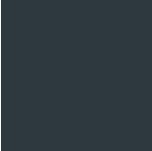
23, 35.260, 122.721

Protanopia

23, 31.743, 96.284

Deuteranopia

23, 27.001, 83.897



Tritanopia
23, 5.947, 232.958

Trichromacy



Original Color
23, 35.260, 122.721

Protanomaly
23, 32.037, 107.237

Deuteranomaly
22, 27.842, 100.554

Tritanomaly
23, 14.129, 139.885

Monochromacy



Original Color
23, 35.260, 122.721

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 14.660, 124.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 35.260, 122.721 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(38, 61, 3)` looks like.

```
.text, #text, p{  
    color:rgb(38, 61, 3)  
}
```

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(38, 61, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 61, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 35.260, 122.721 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(38, 61, 3) }
```

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

```
.border{ border-color:rgb(38, 61, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 61, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 61, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(38, 61, 3); box-shadow:4px  
4px 4px 4px rgb(38, 61, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 35.260, 122.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 61, 3) }
```

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

```
.background{ background-color: rgb(38, 61,  
3) }
```

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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