

Converting Colors

CIELCh(23, 16.033, 325.864)

Have a look what the booklet for
CIELCh(23, 16.033, 325.864)
contains.

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Color

CIELCh(23, 15.902, 325.851)

Conversions

Conversions Part 1

Format	Color
Hex	443044
RGB	68, 48, 68
RGB Percent	27%, 19%, 27%
CMY	0.7321, 0.8106, 0.7321
CMYK	0.00, 0.29, 0.00, 0.73
HSL	300°, 17%, 23%
HSV	300°, 29%, 27%
XYZ	4.5286, 3.8003, 6.0143
YIQ	56.2600, 5.5000, 10.4600

Conversions

Conversions Part 2

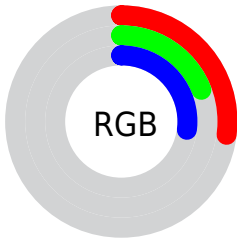
Format	Color
R_{YB}	68, 48, 68
Decimal	4468804
CIE _{Lab}	23.00, 13.16, -8.93
CIE _{LCh}	23, 15.902, 325.851
Yxy	3.8003, 0.3157, 0.2650
Android (android.graphics.Color)	4282658884 (0xFF443044)
YUV	56.2600, 5.7878, 10.2960
Hunter-Lab	19.4944, 7.3505, -4.6458

Details

The CIELCh color **23, 15.902, 325.851** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 15.897, 142.698**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 15.950, 325.418**, and **3, 15.606, 326.110** is the 20% darker color. If you saturate the color by 10%, you get **21, 21.234, 326.315**, and if you desaturate by 10%, it is **25, 10.469, 325.369**.

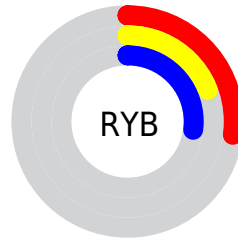
Distribution



Red (27%)

Green (19%)

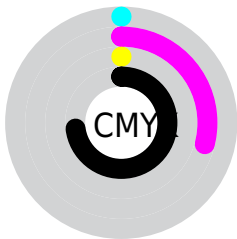
Blue (27%)



Red (27%)

Yellow (19%)

Blue (27%)

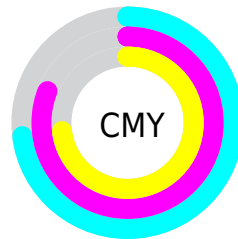


Cyan (0%)

Magenta (29%)

Yellow (0%)

Black (73%)



Cyan (73%)


Magenta (81%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 15.902, 325.851 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, 15.902, 325.851 by changing the saturation by 10% instead.

 23, 15.902,
325.851


 23, 15.902,
325.851

 100, 15.902,
325.851


 13, 15.902,
325.851


 43, 15.902,
325.851


 3, 15.902, 325.851

 53, 15.902,
325.851

 0, 15.902, 325.851

 63, 15.902,
325.851

 73, 15.902,
325.851

 83, 15.902,
325.851

 93, 15.902,

325.851

■ 23, 15.902,
325.851

■ 23, 15.902,
325.851

■ 21, 21.234,
326.315

■ 25, 10.469,
325.369

■ 19, 26.353,
326.752

■ 27, 5.024, 324.872

■ 18, 31.117,
327.149

■ 29, 0.373, 144.736

■ 31, 5.678, 143.960

■ 16, 35.366,
327.496

■ 33, 10.865,
143.489

■ 15, 38.935,
327.781

■ 36, 15.920,
143.042

■ 15, 41.770,
328.004

■ 38, 20.834,
142.615

■ 14, 44.611,
328.223

■ 40, 25.606,
142.210

■ 14, 44.818,
328.238

■ 42, 30.238,
141.828

Harmonies

Complementary

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



23, 15.902, 325.851



27, 15.897, 142.698

Rectangle

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



23, 15.902, 325.851



23, 15.902, 15.851



23, 15.902, 145.851



23, 15.902, 195.851

Sweetspot

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



23, 15.901, 325.851



36, 6.072, 324.876



21, 13.572, 293.256



17, 4.257, 324.916



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



23, 15.901, 325.851



29, 23.655, 326.186



23, 11.337, 345.999



12, 2.929, 324.830



22, 56.881, 328.239



53, 104.912, 328.239

Inverse Universe

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



23, 15.901, 325.851



29, 23.655, 326.186



27, 10.979, 161.305



12, 2.929, 324.830



22, 56.881, 328.239



53, 104.912, 328.239

Previews

White Background



This preview shows how the CIE LCh color 23, 15.902, 325.851 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 23, 15.902, 325.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

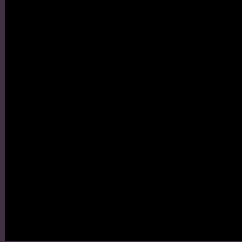
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 15.902, 325.851

Background



This preview shows how black text looks on a background with the CIELCh color 23, 15.902, 325.851.



This preview shows how white text looks on a background with the CIELCh color 23, 15.902, 325.851.

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, 15.902, 325.851

Protanopia

23, 12.737, 285.777

Deuteranopia

23, 8.683, 292.061



Tritanopia
23, 7.518, 0.346

Trichromacy



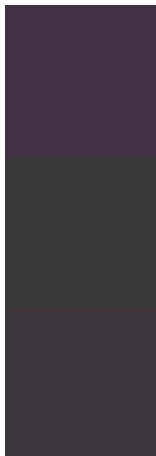
Original Color
23, 15.902, 325.851

Protanomaly
23, 12.922, 302.080

Deuteranomaly
23, 10.516, 308.853

Tritanomaly
23, 10.207, 340.977

Monochromacy



Original Color
23, 15.902, 325.851

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 5.646, 324.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 15.902, 325.851 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(68, 48, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 48, 68)  
}
```

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(68, 48, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 48, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 15.902, 325.851 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(68, 48, 68) }
```

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

```
.border{ border-color:rgb(68, 48, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 48, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 48, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 48, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 48, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 15.902, 325.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 48, 68) }
```

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

```
.background{ background-color: rgb(68, 48,  
68) }
```

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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