

Converting Colors

CIELCh(23, 16.614, 325.926)

Have a look what the booklet for
CIELCh(23, 16.614, 325.926)
contains.

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Color

CIELCh(23, 16.653, 325.903)

Conversions

Conversions Part 1

Format	Color
Hex	453045
RGB	69, 48, 69
RGB Percent	27%, 19%, 27%
CMY	0.7297, 0.8120, 0.7297
CMYK	0.00, 0.30, 0.00, 0.73
HSL	300°, 18%, 23%
HSV	300°, 30%, 27%
XYZ	4.5759, 3.8003, 6.1117
YIQ	56.6730, 5.7750, 10.9830

Conversions

Conversions Part 2

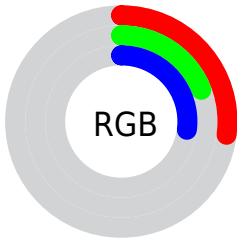
Format	Color
R_{YB}	69, 48, 69
Decimal	4534341
CIE _{Lab}	23.00, 13.79, -9.34
CIE _{LCh}	23, 16.653, 325.903
Yxy	3.8003, 0.3158, 0.2623
Android (android.graphics.Color)	4282724421 (0xFF453045)
YUV	56.6730, 6.0772, 10.8108
Hunter-Lab	19.4944, 7.7843, -4.9421

Details

The CIELCh color **23, 16.653, 325.903** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 16.649, 142.604**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 16.870, 326.647**, and **3, 16.600, 326.090** is the 20% darker color. If you saturate the color by 10%, you get **21, 22.006, 326.365**, and if you desaturate by 10%, it is **25, 11.185, 325.422**.

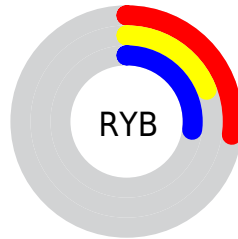
Distribution



Red (27%)

Green (19%)

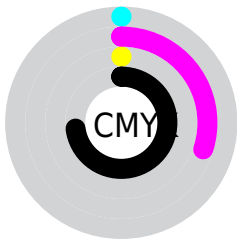
Blue (27%)



Red (27%)

Yellow (19%)

Blue (27%)

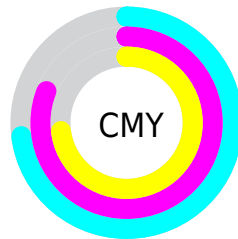


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (73%)



Cyan (73%)


Magenta (81%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 16.653, 325.903 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, 16.653, 325.903 by changing the saturation by 10% instead.

 23, 16.653,
325.903


 23, 16.653,
325.903

 100, 16.653,
325.903


 13, 16.653,
325.903


 43, 16.653,
325.903


 3, 16.653, 325.903

 53, 16.653,
325.903

 0, 16.653, 325.903

 63, 16.653,
325.903

 73, 16.653,
325.903

 83, 16.653,
325.903

 93, 16.653,

325.903

■ 23, 16.653,
325.903

■ 23, 16.653,
325.903

■ 21, 22.006,
326.365

■ 25, 11.185,
325.422

■ 19, 27.128,
326.798

■ 27, 5.697, 324.927

■ 18, 31.873,
327.190

■ 29, 0.251, 323.983

■ 31, 5.106, 144.012

■ 17, 36.077,
327.530

■ 34, 10.348,
143.536

■ 15, 39.575,
327.807

■ 36, 15.456,
143.086

■ 15, 42.369,
328.024

■ 38, 20.424,
142.656

■ 14, 45.091,
328.232

■ 40, 25.248,
142.248

■ 43, 29.930,
141.863

Harmonies

Complementary

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



23, 16.653, 325.903



27, 16.649, 142.604

Rectangle

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



23, 16.653, 325.903



23, 16.653, 15.903



23, 16.653, 145.903



23, 16.653, 195.903

Sweetspot

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



23, 16.652, 325.903



36, 6.072, 324.871



21, 13.996, 292.780



17, 4.258, 324.911



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, 16.652, 325.903



29, 24.977, 326.276



23, 12.004, 345.179



13, 3.122, 324.834



22, 57.932, 328.232



54, 105.823, 328.232

Inverse Universe

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



22, 10.301, 21.553



28, 15.920, 22.436



27, 11.641, 160.332



13, 1.799, 19.786



19, 49.402, 35.621



47, 95.757, 39.999

Previews

White Background



This preview shows how the CIE LCh color 23, 16.653, 325.903 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, 16.653, 325.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

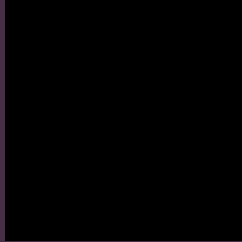
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 16.653, 325.903

Background



This preview shows how black text looks on a background with the CIELCh color 23, 16.653, 325.903.



This preview shows how white text looks on a background with the CIELCh color 23, 16.653, 325.903.

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, 16.653, 325.903

Protanopia

23, 13.395, 286.315

Deuteranopia

23, 9.349, 292.200



Tritanopia
23, 7.967, 1.684

Trichromacy



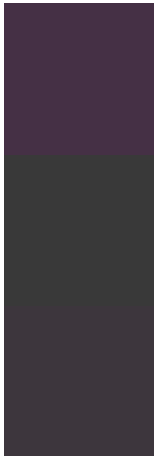
Original Color
23, 16.653, 325.903

Protanomaly
23, 13.577, 301.705

Deuteranomaly
23, 11.153, 307.912

Tritanomaly
23, 10.556, 342.733

Monochromacy



Original Color
23, 16.653, 325.903

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, 16.653, 325.903 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(69, 48, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 48, 69)  
}
```

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(69, 48, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 48, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 16.653, 325.903 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(69, 48, 69) }
```

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

```
.border{ border-color:rgb(69, 48, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 48, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 48, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 48, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 48, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 16.653, 325.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 48, 69) }
```

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

```
.background{ background-color: rgb(69, 48,  
69) }
```

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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