

Converting Colors

CIELCh(23, 11.215, 323.861)

Have a look what the booklet for
CIELCh(23, 11.215, 323.861)
contains.

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Color

CIELCh(23, 10.984, 323.449)

Conversions

Conversions Part 1

Format	Color
Hex	403341
RGB	64, 51, 65
RGB Percent	25%, 20%, 25%
CMY	0.7502, 0.8011, 0.7463
CMYK	0.02, 0.22, 0.00, 0.75
HSL	296°, 12%, 23%
HSV	296°, 22%, 25%
XYZ	4.2113, 3.8003, 5.4668
YIQ	56.4830, 3.2540, 7.1100

Conversions

Conversions Part 2

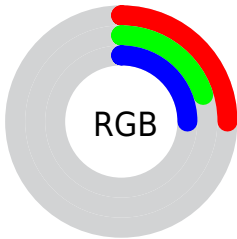
Format	Color
RYB	64, 51, 65
Decimal	4207425
CIELab	23.00, 8.82, -6.54
CIELCh	23, 10.984, 323.449
Yxy	3.8003, 0.3124, 0.2820
Android (android.graphics.Color)	4282397505 (0xFF403341)
YUV	56.4830, 4.1989, 6.5924
Hunter-Lab	19.4944, 4.4451, -2.9806

Details

The CIELCh color **23, 10.984, 323.449** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 10.946, 141.424**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 11.418, 323.424**, and **3, 11.161, 322.345** is the 20% darker color. If you saturate the color by 10%, you get **21, 16.082, 323.885**, and if you desaturate by 10%, it is **25, 5.876, 323.000**.

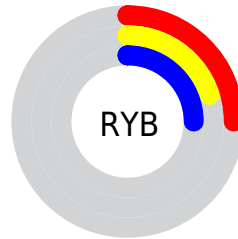
Distribution



 Red (25%)

 Green (20%)

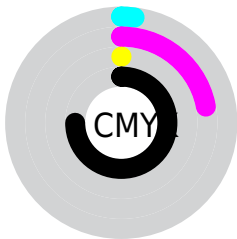
 Blue (25%)



 Red (25%)

 Yellow (20%)

 Blue (25%)

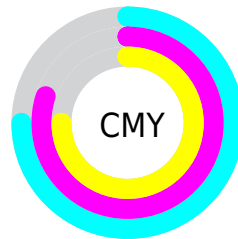


 Cyan (2%)


 Magenta (22%)

 Yellow (0%)

 Black (75%)



 Cyan (75%)


 Magenta (80%)

 Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 10.984, 323.449 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, 10.984, 323.449 by changing the saturation by 10% instead.

 23, 10.984,
323.449


 23, 10.984,
323.449

 100, 10.984,
323.449


 13, 10.984,
323.449


 43, 10.984,
323.449


 3, 10.984, 323.449

 53, 10.984,
323.449

 0, 10.984, 323.449

 63, 10.984,
323.449

 73, 10.984,
323.449

 83, 10.984,
323.449

 93, 10.984,

323.449

■ 23, 10.984,
323.449

■ 23, 10.984,
323.449

■ 21, 16.082,
323.885

■ 25, 5.876, 323.000

■ 27, 0.816, 322.447

■ 19, 21.096,
324.302

■ 29, 4.160, 142.176

■ 17, 25.923,
324.686

■ 31, 9.031, 141.745

■ 16, 30.431,
325.022

■ 33, 13.783,
141.342

■ 15, 34.468,
325.294

■ 36, 18.409,
140.959

■ 13, 37.872,
325.485

■ 38, 22.908,
140.599

■ 12, 40.777,
325.616

■ 40, 27.282,
140.260

■ 12, 43.394,
325.759

■ 42, 31.534,
139.942

Harmonies

Complementary

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



23, 10.984, 323.449



26, 10.946, 141.424

Rectangle

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



23, 10.984, 323.449



23, 10.984, 13.449



23, 10.984, 143.449



23, 10.984, 193.449

Sweetspot

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



23, 10.983, 323.449



34, 3.764, 322.748



22, 8.623, 288.842



17, 2.519, 322.757



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 10.983, 323.449



29, 16.456, 323.691



23, 8.402, 340.916



12, 2.866, 322.858



20, 57.109, 325.606



51, 105.376, 325.406

Inverse Universe

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



23, 6.712, 15.094



29, 10.209, 15.638



26, 8.272, 157.880



12, 1.694, 13.963



18, 46.921, 32.394



47, 92.043, 37.658

Previews

White Background



This preview shows how the CIE LCh color 23, 10.984, 323.449 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, 10.984, 323.449 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, 10.984, 323.449

Background



This preview shows how black text looks on a background with the CIELCh color 23, 10.984, 323.449.



This preview shows how white text looks on a background with the CIELCh color 23, 10.984, 323.449.

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

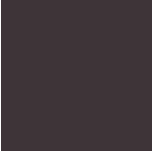
23, 10.984, 323.449

Protanopia

23, 8.707, 286.573

Deuteranopia

23, 6.749, 298.998



Tritanopia
23, 5.354, 350.688

Trichromacy



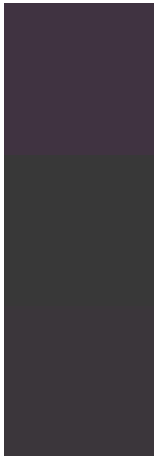
Original Color
23, 10.984, 323.449

Protanomaly
23, 8.815, 300.409

Deuteranomaly
23, 7.837, 311.295

Tritanomaly
23, 6.866, 338.086

Monochromacy



Original Color
23, 10.984, 323.449

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 4.049, 324.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 10.984, 323.449 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(64, 51, 65)` looks like.

```
.text, #text, p{  
    color:rgb(64, 51, 65)  
}
```

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(64, 51, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 51, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 10.984, 323.449 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(64, 51, 65) }
```

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

```
.border{ border-color:rgb(64, 51, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 51, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 51, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 51, 65);  
box-shadow:4px 4px 4px 4px rgb(64, 51, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 10.984, 323.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 51, 65) }
```

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

```
.background{ background-color: rgb(64, 51,  
65) }
```

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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