

Converting Colors

CIELCh(23, 21.373, 326.533)

Have a look what the booklet for
CIELCh(23, 21.373, 326.533)
contains.

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Color

CIELCh(23, 21.912, 326.287)

Conversions

Conversions Part 1

Format	Color
Hex	492D49
RGB	73, 45, 73
RGB Percent	29%, 18%, 29%
CMY	0.7129, 0.8228, 0.7129
CMYK	0.00, 0.38, 0.00, 0.71
HSL	300°, 24%, 23%
HSV	300°, 38%, 29%
XYZ	4.9190, 3.8003, 6.8137
YIQ	56.5640, 7.7000, 14.6440

Conversions

Conversions Part 2

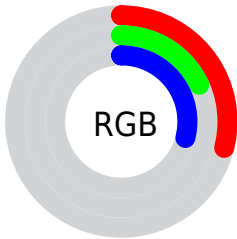
Format	Color
R_YB	73, 45, 73
Decimal	4795721
CIE Lab	23.00, 18.23, -12.16
CIE LCh	23, 21.912, 326.287
Yxy	3.8003, 0.3167, 0.2447
Android (android.graphics.Color)	4282985801 (0xFF492D49)
YUV	56.5640, 8.1029, 14.4144
Hunter-Lab	19.4944, 10.9258, -7.0771

Details

The CIELCh color **23, 21.912, 326.287** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 21.929, 141.965**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 22.283, 325.760**, and **3, 20.853, 325.263** is the 20% darker color. If you saturate the color by 10%, you get **21, 27.349, 326.731**, and if you desaturate by 10%, it is **25, 16.251, 325.816**.

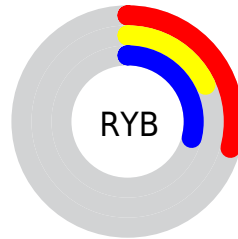
Distribution



Red (29%)

Green (18%)

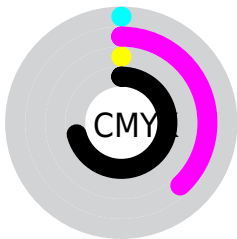
Blue (29%)



Red (29%)

Yellow (18%)

Blue (29%)

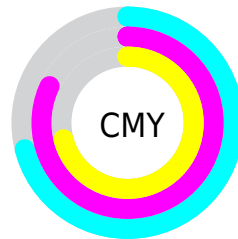


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (71%)



Cyan (71%)


Magenta (82%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 21.912, 326.287 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, 21.912, 326.287 by changing the saturation by 10% instead.

 23, 21.912,
326.287


 23, 21.912,
326.287


 100, 21.912,
326.287


 13, 21.912,
326.287


 43, 21.912,
326.287


 3, 21.912, 326.287

 53, 21.912,
326.287

 0, 21.912, 326.287

 63, 21.912,
326.287

 73, 21.912,
326.287

 83, 21.912,
326.287

 93, 21.912,

326.287

■ 23, 21.912,
326.287

■ 23, 21.912,
326.287

■ 21, 27.349,
326.731

■ 25, 16.251,
325.816

■ 19, 32.416,
327.134

■ 27, 10.493,
325.327

■ 18, 36.935,
327.487

■ 29, 4.727, 324.823

■ 17, 40.731,
327.776

■ 32, 0.981, 144.490

■ 16, 43.674,
327.997

■ 34, 6.588, 143.902

■ 15, 46.438,
328.200

■ 36, 12.067,
143.429

■ 38, 17.402,
142.979

■ 15, 46.938,
328.237

■ 41, 22.586,
142.551

■ 43, 27.618,
142.145

Harmonies

Complementary

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



23, 21.912, 326.287



28, 21.929, 141.965

Rectangle

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



23, 21.912, 326.287



23, 21.912, 16.287



23, 21.912, 146.287



23, 21.912, 196.287

Sweetspot

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



23, 21.911, 326.287



37, 7.778, 324.984



20, 19.114, 294.552



18, 5.272, 325.015



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



23, 21.911, 326.287



28, 32.192, 326.707



22, 15.725, 346.926



13, 3.122, 324.838



22, 57.927, 328.237



54, 105.813, 328.237

Inverse Universe

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



23, 21.911, 326.287



28, 32.192, 326.707



29, 15.084, 160.388



13, 3.122, 324.838



22, 57.927, 328.237



54, 105.813, 328.237

Previews

White Background



This preview shows how the CIE LCh color 23, 21.912, 326.287 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, 21.912, 326.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

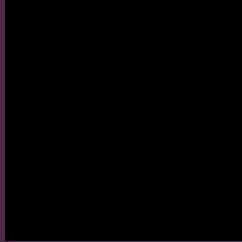
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 21.912, 326.287

Background



This preview shows how black text looks on a background with the CIELCh color 23, 21.912, 326.287.



This preview shows how white text looks on a background with the CIELCh color 23, 21.912, 326.287.

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, 21.912, 326.287

Protanopia

23, 17.436, 285.348

Deuteranopia

23, 12.020, 288.924



Tritanopia
23, 10.801, 7.623

Trichromacy



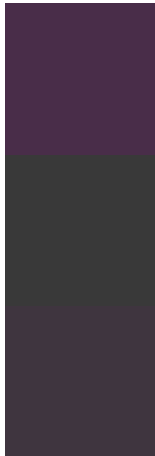
Original Color
23, 21.912, 326.287

Protanomaly
23, 18.261, 301.354

Deuteranomaly
23, 14.590, 307.912

Tritanomaly
23, 13.499, 346.413

Monochromacy



Original Color
23, 21.912, 326.287

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 8.039, 325.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 21.912, 326.287 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(73, 45, 73)` looks like.

```
.text, #text, p{  
    color:rgb(73, 45, 73)  
}
```

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(73, 45, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 45, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 21.912, 326.287 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(73, 45, 73) }
```

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

```
.border{ border-color:rgb(73, 45, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 45, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 45, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 45, 73);  
box-shadow:4px 4px 4px 4px rgb(73, 45, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 21.912, 326.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 45, 73) }
```

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

```
.background{ background-color: rgb(73, 45,  
73) }
```

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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