

Converting Colors

CIELCh(23, 17.310, 325.475)

Have a look what the booklet for
CIELCh(23, 17.310, 325.475)
contains.

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Color

CIELCh(23, 17.188, 324.653)

Conversions

Conversions Part 1

Format	Color
Hex	453046
RGB	69, 48, 70
RGB Percent	27%, 19%, 27%
CMY	0.7301, 0.8124, 0.7261
CMYK	0.01, 0.31, 0.00, 0.73
HSL	297°, 19%, 23%
HSV	297°, 31%, 27%
XYZ	4.5933, 3.8003, 6.2585
YIQ	56.7870, 5.4540, 11.2940

Conversions

Conversions Part 2

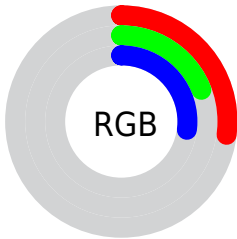
Format	Color
R_{YB}	69, 48, 70
Decimal	4534342
CIE _{Lab}	23.00, 14.02, -9.94
CIE _{LCh}	23, 17.188, 324.653
Yxy	3.8003, 0.3135, 0.2594
Android (android.graphics.Color)	4282724422 (0xFF453046)
YUV	56.7870, 6.5140, 10.7108
Hunter-Lab	19.4944, 7.9431, -5.3884

Details

The CIELCh color **23, 17.188, 324.653** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 17.145, 141.428**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 17.351, 325.492**, and **3, 17.262, 324.570** is the 20% darker color. If you saturate the color by 10%, you get **21, 22.545, 325.087**, and if you desaturate by 10%, it is **25, 11.723, 324.198**.

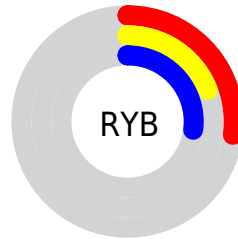
Distribution



Red (27%)

Green (19%)

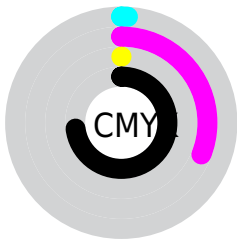
Blue (27%)



Red (27%)

Yellow (19%)

Blue (27%)

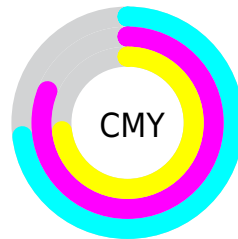


Cyan (1%)

Magenta (31%)

Yellow (0%)

Black (73%)



Cyan (73%)


Magenta (81%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 17.188, 324.653 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, 17.188, 324.653 by changing the saturation by 10% instead.

 23, 17.188,
324.653


 23, 17.188,
324.653

 100, 17.188,
324.653


 13, 17.188,
324.653


 43, 17.188,
324.653


 3, 17.188, 324.653

 53, 17.188,
324.653

 0, 17.188, 324.653

 63, 17.188,
324.653

 73, 17.188,
324.653

 83, 17.188,
324.653

 93, 17.188,

324.653

■ 23, 17.188,
324.653

■ 23, 17.188,
324.653

■ 21, 22.545,
325.087

■ 25, 11.723,
324.198

■ 19, 27.680,
325.488

■ 27, 6.242, 323.730

■ 18, 32.445,
325.842

■ 29, 0.807, 323.146

■ 32, 4.540, 142.866

■ 16, 36.670,
326.133

■ 34, 9.772, 142.415

■ 15, 40.185,
326.346

■ 36, 14.874,
141.991

■ 14, 43.040,
326.491

■ 38, 19.838,
141.589

■ 13, 45.575,
326.630

■ 41, 24.662,
141.209

■ 43, 29.347,
140.851

Harmonies

Complementary

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



23, 17.188, 324.653



27, 17.145, 141.428

Rectangle

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



23, 17.188, 324.653



23, 17.188, 14.653



23, 17.188, 144.653



23, 17.188, 194.653

Sweetspot

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



23, 17.187, 324.653



37, 6.128, 323.629



21, 14.134, 291.596



17, 4.198, 323.665



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, 17.187, 324.653



29, 25.943, 325.007



23, 12.817, 343.471



13, 3.078, 323.592



21, 58.058, 326.547



52, 106.074, 326.422

Inverse Universe

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



22, 10.748, 18.170



28, 16.665, 19.157



28, 12.480, 158.573



13, 1.802, 16.086



19, 48.476, 33.817



47, 93.947, 38.587

Previews

White Background



This preview shows how the CIE LCh color 23, 17.188, 324.653 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, 17.188, 324.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

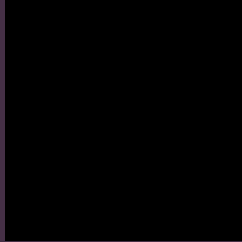
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 17.188, 324.653

Background



This preview shows how black text looks on a background with the CIELCh color 23, 17.188, 324.653.



This preview shows how white text looks on a background with the CIELCh color 23, 17.188, 324.653.

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, 17.188, 324.653

Protanopia

23, 14.089, 285.282

Deuteranopia

23, 10.014, 292.338



Tritanopia
23, 7.967, 1.684

Trichromacy



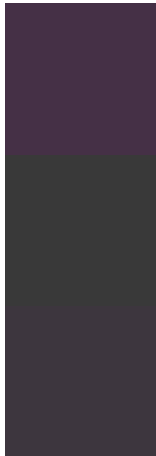
Original Color
23, 17.188, 324.653

Protanomaly
23, 14.181, 299.736

Deuteranomaly
23, 11.793, 307.088

Tritanomaly
23, 10.556, 342.733

Monochromacy



Original Color
23, 17.188, 324.653

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 6.202, 321.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 17.188, 324.653 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(69, 48, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 48, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 17.188, 324.653 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, 70) }
```

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

```
.border{ border-color:rgb(69, 48, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 48, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 48, 70);  
box-shadow:4px 4px 4px 4px rgb(69, 48, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 17.188, 324.653 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, 70) }
```

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

```
.background{ background-color: rgb(69, 48,  
70) }
```

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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