

Converting Colors

CIELCh(23, 11.365, 273.623)

Have a look what the booklet for
CIELCh(23, 11.365, 273.623)
contains.

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Color

CIELCh(23, 11.752, 275.194)

Conversions

Conversions Part 1

Format	Color
Hex	2E3748
RGB	46, 55, 72
RGB Percent	18%, 22%, 28%
CMY	0.8190, 0.7837, 0.7170
CMYK	0.36, 0.24, 0.00, 0.72
HSL	219°, 22%, 23%
HSV	219°, 36%, 28%
XYZ	3.6811, 3.8003, 6.6965
YIQ	54.2470, -10.8210, 3.3790

Conversions

Conversions Part 2

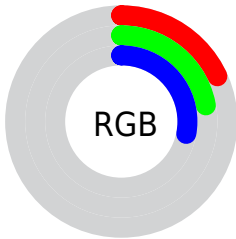
Format	Color
RYB	46, 53, 72
Decimal	3028808
CIELab	23.00, 1.06, -11.70
CIElCh	23, 11.752, 275.194
Yxy	3.8003, 0.2596, 0.2680
Android (android.graphics.Color)	4281218888 (0xFF2E3748)
YUV	54.2470, 8.7522, -7.2326
Hunter-Lab	19.4944, -0.4093, -6.7205




Details

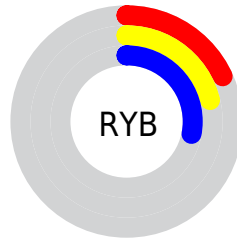
The CIELCh color **23, 11.752, 275.194** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 11.895, 85.919**, and the grayscale version is **23, 0.004, 296.813**.




A 20% lighter version of the original color is **43, 11.820, 275.251**, and **3, 11.970, 275.822** is the 20% darker color. If you saturate the color by 10%, you get **21, 15.111, 277.120**, and if you desaturate by 10%, it is **25, 8.438, 273.520**.

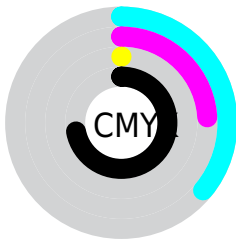
Distribution







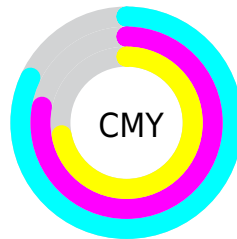
-  Red (18%)
-  Green (22%)
-  Blue (28%)






-  Red (18%)
-  Yellow (21%)
-  Blue (28%)



-  Cyan (36%)
-  Magenta (24%)
-  Yellow (0%)
-  Black (72%)



-  Cyan (82%)
-  Magenta (78%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 11.752, 275.194 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, 11.752, 275.194 by changing the saturation by 10% instead.

■ 23, 11.752,
275.194

■ 23, 11.752,
275.194

■ 100, 11.752,
275.194

■ 13, 11.752,
275.194

■ 43, 11.752,
275.194

■ 3, 11.752, 275.194

■ 53, 11.752,
275.194

■ 0, 11.752, 275.194

■ 63, 11.752,
275.194

■ 73, 11.752,
275.194

■ 83, 11.752,
275.194

■ 93, 11.752,

275.194

■ 23, 11.752,
275.194

■ 23, 11.752,
275.194

■ 21, 15.111,
277.120

■ 25, 8.438, 273.520

■ 27, 5.166, 272.073

■ 19, 18.523,
279.331

■ 29, 1.936, 270.844

■ 17, 21.998,
281.847

■ 32, 1.253, 89.577

■ 15, 25.549,
284.666

■ 34, 4.400, 88.673

■ 36, 7.503, 87.825

■ 13, 29.188,
287.756

■ 38, 10.563, 87.068

■ 11, 32.944,
290.646

■ 40, 13.577, 86.391

■ 10, 34.467,
291.638

■ 42, 16.546, 85.783

Harmonies

Complementary

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



23, 11.752, 275.194



27, 11.895, 85.919

Rectangle

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



23, 11.752, 275.194



23, 11.752, 325.194



23, 11.752, 95.194



23, 11.752, 145.194

Sweetspot

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



23, 11.751, 275.193



37, 4.413, 271.477



28, 12.511, 169.381



18, 2.991, 271.552



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, 11.751, 275.193



29, 17.612, 276.848



20, 17.776, 299.063



13, 1.771, 271.130



16, 45.114, 293.552



40, 88.998, 296.375

Inverse Universe

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



22, 13.511, 356.383



28, 20.239, 357.543



30, 16.482, 113.656



13, 1.996, 353.488



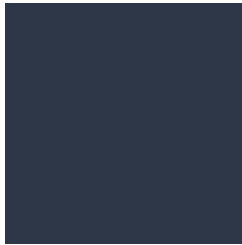
19, 42.658, 13.281



48, 79.019, 17.668

Previews

White Background



This preview shows how the CIELCh color 23, 11.752, 275.194 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 CIE LCh color 23, 11.752, 275.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

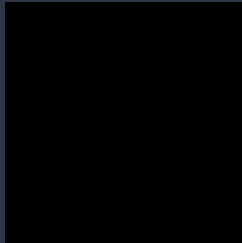
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

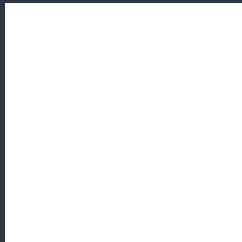
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 11.752, 275.194

Background



This preview shows how black text looks on a background with the CIELCh color 23, 11.752, 275.194.

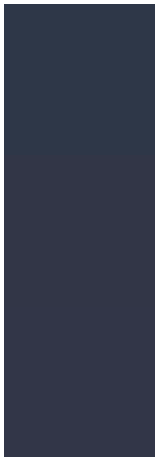


This preview shows how white text looks on a background with the CIELCh color 23, 11.752, 275.194.

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

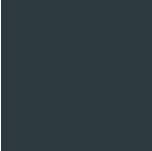
23, 11.752, 275.194

Protanopia

23, 11.423, 284.557

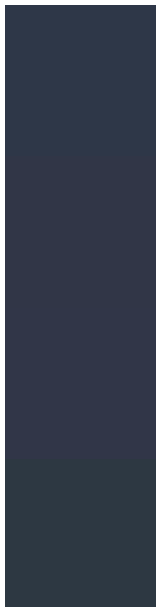
Deuteranopia

23, 12.080, 285.193



Tritanopia
23, 6.274, 230.904

Trichromacy



Original Color
23, 11.752, 275.194

Protanomaly
23, 11.474, 282.617

Deuteranomaly
23, 12.127, 283.372

Tritanomaly
23, 7.901, 257.036

Monochromacy



Original Color
23, 11.752, 275.194

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 4.833, 275.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 11.752, 275.194 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(46, 55, 72)` looks like.

```
.text, #text, p{  
    color:rgb(46, 55, 72)  
}
```

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(46, 55, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 55, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 11.752, 275.194 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(46, 55, 72) }
```

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

```
.border{ border-color:rgb(46, 55, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 55, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 55, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 55, 72);  
box-shadow:4px 4px 4px 4px rgb(46, 55, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 11.752, 275.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 55, 72) }
```

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

```
.background{ background-color: rgb(46, 55,  
72) }
```

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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