

Converting Colors

CIELCh(44, 23.025, 300.513)

Have a look what the booklet for
CIELCh(44, 23.025, 300.513)
contains.

CIELCh(44, 23.063, 300.530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 23.063, 300.530)

Conversions

Conversions Part 1

Format	Color
Hex	6B6389
RGB	107, 99, 137
RGB Percent	42%, 39%, 54%
CMY	0.5806, 0.6120, 0.4630
CMYK	0.22, 0.28, 0.00, 0.46
HSL	253°, 16%, 46%
HSV	253°, 28%, 54%
XYZ	15.0225, 13.8382, 25.5215
YIQ	105.7240, -7.4300, 13.5140

Conversions

Conversions Part 2

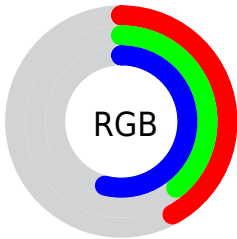
Format	Color
R_{YB}	107, 99, 137
Decimal	7037833
CIE _{Lab}	44.00, 11.72, -19.87
CIE _{LCh}	44, 23.063, 300.530
Yxy	13.8382, 0.2762, 0.2545
Android (android.graphics.Color)	4285227913 (0xFF6B6389)
YUV	105.7240, 15.4191, 1.1191
Hunter-Lab	37.1997, 6.9847, -14.6371

Details

The CIELCh color $44, 23.063, 300.530$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 21.750, 116.593$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 23.182, 300.342$, and $24, 23.446, 301.217$ is the 20% darker color. If you saturate the color by 10%, you get $39, 31.945, 301.505$, and if you desaturate by 10%, it is $49, 14.482, 299.667$.

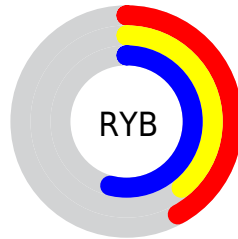
Distribution



Red (42%)

Green (39%)

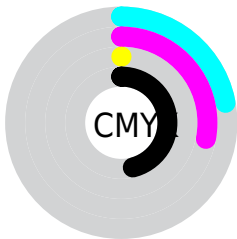
Blue (54%)



Red (42%)

Yellow (39%)

Blue (54%)

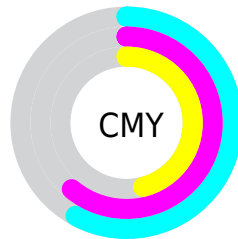


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (46%)



Cyan (58%)


Magenta (61%)

Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 23.063, 300.530 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 44, 23.063, 300.530 by changing the saturation by 10% instead.


 44, 23.063,
300.530


 44, 23.063,
300.530


 100, 23.063,
300.530


 34, 23.063,
300.530

 64, 23.063,
300.530


 24, 23.063,
300.530

 74, 23.063,
300.530

 14, 23.063,
300.530

 84, 23.063,
300.530

 4, 23.063, 300.530

 94, 23.063,
300.530

 0, 23.063, 300.530

 44, 23.063,

 44, 23.063,

300.530

300.530

■ 39, 31.945,
301.505

■ 49, 14.482,
299.667

■ 35, 41.095,
302.587

■ 53, 6.209, 298.911

■ 30, 50.409,
303.750

■ 58, 1.765, 118.264

■ 63, 9.455, 117.691

■ 26, 59.654,
304.935

■ 67, 16.879,
117.200

■ 22, 68.370,
306.029

■ 72, 24.052,
116.776

■ 19, 75.790,
306.858

■ 77, 30.991,
116.411

■ 16, 81.412,
307.365

■ 81, 37.710,
116.095

■ 16, 82.697,
307.526

■ 86, 44.224,

Harmonies

Complementary

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



44, 23.063, 300.530



56, 21.750, 116.593

Rectangle

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



44, 23.063, 300.530



44, 23.063, 350.530



44, 23.063, 120.530



44, 23.063, 170.530

Sweetspot

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



44, 23.062, 300.530



68, 7.968, 298.942



52, 11.719, 220.648



35, 5.654, 299.039



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



44, 23.062, 300.530



53, 34.430, 301.099



46, 24.810, 316.879



27, 4.555, 299.012



15, 80.765, 307.549



0, 2.082, 298.396

Inverse Universe

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



47, 23.149, 332.627



58, 34.124, 333.029



54, 24.318, 134.472



27, 4.700, 331.421



29, 60.681, 338.451



0, 2.168, 330.895

Previews

White Background



This preview shows how the CIELCh color 44, 23.063, 300.530 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 × Fail

Black Background



This preview shows how the CIE LCh color 44, 23.063, 300.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

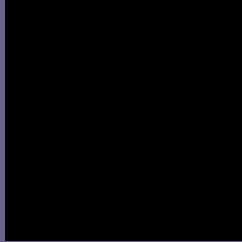
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 23.063, 300.530

Background



This preview shows how black text looks on a background with the CIELCh color 44, 23.063, 300.530.



This preview shows how white text looks on a background with the CIELCh color 44, 23.063, 300.530.

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


44, 23.063, 300.530

Protanopia

44, 22.274, 285.222

Deuteranopia

44, 20.417, 288.045



Tritanopia
44, 4.845, 281.426

Trichromacy



Original Color
44, 23.063, 300.530

Protanomaly
44, 22.166, 290.522

Deuteranomaly
44, 21.003, 293.106

Tritanomaly
44, 11.445, 295.649

Monochromacy



Original Color
44, 23.063, 300.530

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 8.494, 299.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 23.063, 300.530 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(107, 99, 137)` looks like.

```
.text, #text, p{  
    color:rgb(107, 99, 137)  
}
```

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(107, 99, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 99, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 23.063, 300.530 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(107, 99, 137) }
```

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

```
.border{ border-color:rgb(107, 99, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 99, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 99, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 99, 137);  
box-shadow:4px 4px 4px 4px rgb(107, 99,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 23.063, 300.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 99, 137) }
```

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

```
.background{ background-color: rgb(107, 99,  
137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor