

Converting Colors

CIELCh(23, 13.507, 197.203)

Have a look what the booklet for
CIELCh(23, 13.507, 197.203)
contains.

CIELCh(23, 13.412, 197.111)	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(23, 13.412, 197.111)

Conversions

Conversions Part 1

Format	Color
Hex	183C3C
RGB	24, 60, 60
RGB Percent	9%, 24%, 24%
CMY	0.9043, 0.7632, 0.7633
CMYK	0.60, 0.00, 0.00, 0.76
HSL	180°, 42%, 17%
HSV	180°, 60%, 24%
XYZ	2.8472, 3.8003, 4.9100
YIQ	49.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

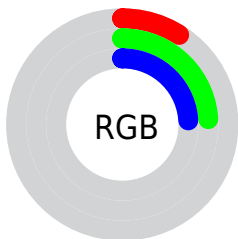
Format	Color
R_{YB}	24, 42, 60
Decimal	1588284
CIE Lab	23.00, -12.82, -3.95
CIE LCh	23, 13.412, 197.111
Yxy	3.8003, 0.2464, 0.3288
Android (android.graphics.Color)	4279778364 (0xFF183C3C)
YUV	49.2360, 5.3067, -22.1320
Hunter-Lab	19.4944, -8.0449, -1.2871

Details

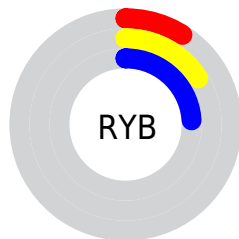
The CIELCh color **23, 13.412, 197.111** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 19.577, 25.460**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 13.486, 195.266**, and **4, 5.525, 199.422** is the 20% darker color. If you saturate the color by 10%, you get **23, 14.864, 196.869**, and if you desaturate by 10%, it is **23, 11.684, 197.398**.

Distribution



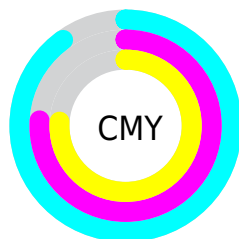
- Red (9%)
- Green (24%)
- Blue (24%)



- Red (9%)
- Yellow (16%)
- Blue (24%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (76%)





- Cyan (90%)
- Magenta (76%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 13.412, 197.111 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, 13.412, 197.111 by changing the saturation by 10% instead.

 23, 13.412,
197.111


 23, 13.412,
197.111

 100, 13.412,
197.111


 13, 13.412,
197.111


 43, 13.412,
197.111


 3, 13.412, 197.111

 53, 13.412,
197.111

 0, 13.412, 197.111

 63, 13.412,
197.111

 73, 13.412,
197.111

 83, 13.412,
197.111

 93, 13.412,

197.111

■ 23, 13.412,
197.111

■ 23, 13.412,
197.111

■ 23, 14.864,
196.869

■ 23, 11.684,
197.398

■ 23, 16.026,
196.679

■ 24, 9.705, 197.735

■ 22, 16.954,
196.528

■ 24, 7.503, 198.116

■ 24, 5.110, 198.544

■ 22, 17.884,
196.379

■ 25, 2.561, 199.036

■ 22, 17.923,
196.372

■ 26, 0.114, 17.332

■ 26, 2.884, 19.832

■ 27, 5.725, 20.388

Harmonies

Complementary

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



23, 13.412, 197.111



14, 19.577, 25.460

Rectangle

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



23, 13.412, 197.111



23, 13.412, 247.111



23, 13.412, 17.111



23, 13.412, 67.111

Sweetspot

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



23, 13.412, 197.109



32, 5.892, 198.578



22, 28.312, 139.861



16, 4.117, 198.517



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 13.412, 197.109



30, 18.626, 196.753



17, 13.498, 263.466



11, 1.504, 199.100



36, 24.216, 196.371



80, 45.114, 196.370

Inverse Universe

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



14, 19.577, 25.460



17, 30.493, 28.968



19, 15.952, 67.299



10, 1.574, 19.752



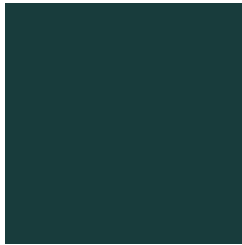
17, 47.178, 34.869



46, 94.128, 39.997

Previews

White Background



This preview shows how the CIELCh color 23, 13.412, 197.111 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, 13.412, 197.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

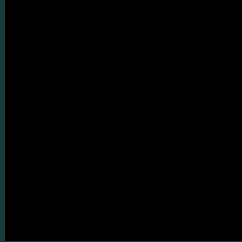
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 13.412, 197.111

Background



This preview shows how black text looks on a background with the CIELCh color 23, 13.412, 197.111.



This preview shows how white text looks on a background with the CIELCh color 23, 13.412, 197.111.

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, 13.412, 197.111

Protanopia
23, 2.064, 303.281

Deuteranopia
23, 6.300, 307.708



Tritanopia
23, 12.664, 212.844

Trichromacy



Original Color
23, 13.412, 197.111

Protanomaly
23, 5.287, 213.286

Deuteranomaly
23, 5.636, 235.304

Tritanomaly
23, 12.905, 206.302

Monochromacy



Original Color
23, 13.412, 197.111

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 5.659, 198.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 13.412, 197.111 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(24, 60, 60)` looks like.

```
.text, #text, p{  
    color:rgb(24, 60, 60)  
}
```

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(24, 60, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 60, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 13.412, 197.111 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(24, 60, 60) }
```

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

```
.border{ border-color:rgb(24, 60, 60) }
```

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

Here you see how a box with a 4 pixel rgb(24, 60, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 60, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 60, 60);  
box-shadow:4px 4px 4px 4px rgb(24, 60, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 13.412, 197.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 60, 60) }
```

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

```
.background{ background-color: rgb(24, 60,  
60) }
```

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