

Converting Colors

CIELCh(23, 15.453, 112.144)

Have a look what the booklet for
CIELCh(23, 15.453, 112.144)
contains.

CIELCh(23, 15.724, 112.280)	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, 15.724, 112.280)

Conversions

Conversions Part 1

Format	Color
Hex	363921
RGB	54, 57, 33
RGB Percent	21%, 22%, 13%
CMY	0.7888, 0.7771, 0.8711
CMYK	0.05, 0.00, 0.42, 0.78
HSL	68°, 27%, 18%
HSV	68°, 42%, 22%
XYZ	3.2413, 3.8003, 1.9911
YIQ	53.3670, 5.9160, -8.1000

Conversions

Conversions Part 2

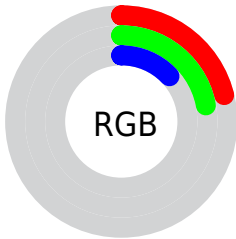
Format	Color
RYB	33, 57, 36
Decimal	3553569
CIELab	23.00, -5.96, 14.55
CIELCh	23, 15.724, 112.280
Yxy	3.8003, 0.3588, 0.4207
Android (android.graphics.Color)	4281743649 (0xFF363921)
YUV	53.3670, -10.0409, 0.5551
Hunter-Lab	19.4944, -4.4366, 7.5905

Details

The CIELCh color **23, 15.724, 112.280** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **14, 17.171, 298.745**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 15.515, 112.845**, and **3, 7.445, 140.947** is the 20% darker color. If you saturate the color by 10%, you get **23, 19.259, 111.655**, and if you desaturate by 10%, it is **23, 12.079, 112.941**.

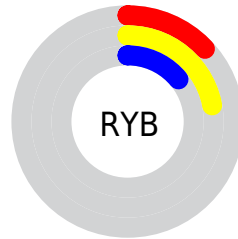
Distribution



Red (21%)

Green (22%)

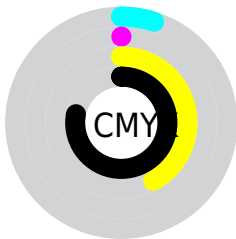
Blue (13%)



Red (13%)

Yellow (22%)

Blue (14%)

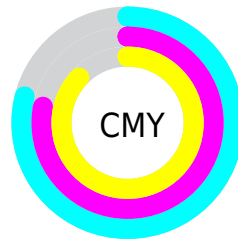


Cyan (5%)

Magenta (0%)

Yellow (42%)

Black (78%)



Cyan (79%)


Magenta (78%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 15.724, 112.280 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, 15.724, 112.280 by changing the saturation by 10% instead.

 23, 15.724,
112.280


 23, 15.724,
112.280

 100, 15.724,
112.280


 13, 15.724,
112.280


 43, 15.724,
112.280


 3, 15.724, 112.280

 53, 15.724,
112.280

 0, 15.724, 112.280

 63, 15.724,
112.280

 73, 15.724,
112.280

 83, 15.724,
112.280

 93, 15.724,

112.280

■ 23, 15.724,
112.280

■ 23, 15.724,
112.280

■ 23, 19.259,
111.655

■ 23, 12.079,
112.941

■ 23, 22.625,
111.081

■ 23, 8.364, 113.613

■ 23, 25.738,
110.593

■ 24, 4.607, 114.284

■ 24, 0.829, 114.939

■ 22, 28.413,
110.288

■ 24, 2.955, 295.595

■ 22, 30.719,
110.181

■ 24, 6.736, 296.218

■ 22, 32.519,
110.120

■ 25, 10.505,
296.817

■ 25, 14.257,
297.389

■ 25, 17.986,
297.933

Harmonies

Complementary

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



23, 15.724, 112.280



14, 17.171, 298.745

Rectangle

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



23, 15.724, 112.280



23, 15.724, 162.280



23, 15.724, 292.280



23, 15.724, 342.280

Sweetspot

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



23, 15.725, 112.283



31, 6.113, 114.189



17, 11.379, 31.733



15, 4.318, 114.124



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 15.725, 112.283



30, 23.405, 111.580



22, 17.380, 131.356



10, 2.068, 114.542



37, 46.382, 109.959



83, 87.441, 110.533

Inverse Universe

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



14, 17.171, 298.745



17, 26.338, 300.065



15, 18.033, 314.626



9, 2.104, 295.665



8, 62.583, 307.111



28, 118.637, 306.690

Previews

White Background



This preview shows how the CIELCh color 23, 15.724, 112.280 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

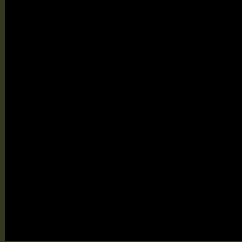
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 15.724, 112.280

Background



This preview shows how black text looks on a background with the CIELCh color 23, 15.724, 112.280.

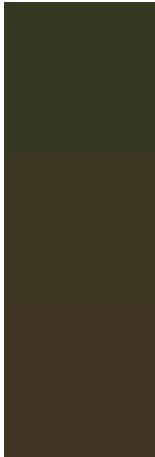


This preview shows how white text looks on a background with the CIELCh color 23, 15.724, 112.280.

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, 15.724, 112.280

Protanopia

23, 15.322, 96.993

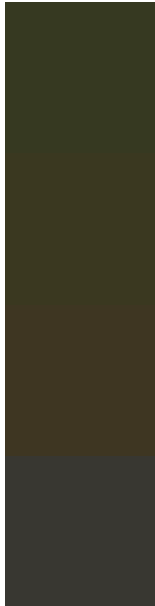
Deuteranopia

23, 14.153, 76.250



Tritanopia
23, 3.012, 317.518

Trichromacy



Original Color
23, 15.724, 112.280

Protanomaly
23, 15.714, 102.891

Deuteranomaly
23, 13.876, 89.764

Tritanomaly
23, 4.010, 102.467

Monochromacy



Original Color
23, 15.724, 112.280

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 5.355, 114.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 15.724, 112.280 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(54, 57, 33)` looks like.

```
.text, #text, p{  
    color:rgb(54, 57, 33)  
}
```

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(54, 57, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 57, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 15.724, 112.280 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(54, 57, 33) }
```

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

```
.border{ border-color:rgb(54, 57, 33) }
```

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

Here you see how a box with a 4 pixel rgb(54, 57, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 57, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 57, 33);  
box-shadow:4px 4px 4px 4px rgb(54, 57, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 15.724, 112.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 57, 33) }
```

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

```
.background{ background-color: rgb(54, 57,  
33) }
```

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