

Converting Colors

CIELCh(23, 21.973, 357.070)

Have a look what the booklet for
CIELCh(23, 21.973, 357.070)
contains.

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Color

CIELCh(23, 22.097, 356.892)

Conversions

Conversions Part 1

Format	Color
Hex	542939
RGB	84, 41, 57
RGB Percent	33%, 16%, 22%
CMY	0.6695, 0.8382, 0.7754
CMYK	0.00, 0.51, 0.32, 0.67
HSL	338°, 34%, 25%
HSV	338°, 51%, 33%
XYZ	5.2293, 3.8003, 4.3630
YIQ	55.6810, 20.4920, 14.0920

Conversions

Conversions Part 2

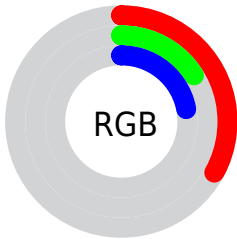
Format	Color
R_YB	84, 41, 57
Decimal	5515577
CIE Lab	23.00, 22.06, -1.20
CIE LCh	23, 22.097, 356.892
Yxy	3.8003, 0.3905, 0.2838
Android (android.graphics.Color)	4283705657 (0xFF542939)
YUV	55.6810, 0.6503, 24.8358
Hunter-Lab	19.4944, 13.7664, 0.3764




Details

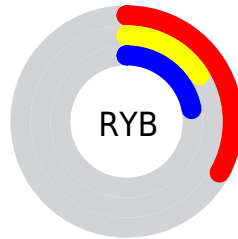
The CIELCh color **23, 22.097, 356.892** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 19.938, 166.173**, and the grayscale version is **23, 0.004, 296.813**.




A 20% lighter version of the original color is **43, 21.863, 356.973**, and **4, 19.420, 2.010** is the 20% darker color. If you saturate the color by 10%, you get **21, 26.198, 358.675**, and if you desaturate by 10%, it is **25, 17.766, 355.409**.

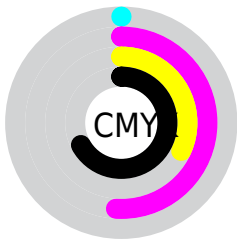
Distribution







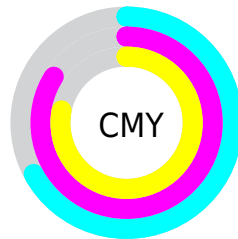
-  Red (33%)
-  Green (16%)
-  Blue (22%)






-  Red (33%)
-  Yellow (16%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (51%)
-  Yellow (32%)
-  Black (67%)





-  Cyan (67%)
-  Magenta (84%)
-  Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 22.097, 356.892 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, 22.097, 356.892 by changing the saturation by 10% instead.

 23, 22.097,
356.892


 23, 22.097,
356.892

 100, 22.097,
356.892


 13, 22.097,
356.892


 43, 22.097,
356.892


 3, 22.097, 356.892

 53, 22.097,
356.892

 0, 22.097, 356.892

 63, 22.097,
356.892

 73, 22.097,
356.892

 83, 22.097,
356.892

 93, 22.097,

356.892

■ 23, 22.097,
356.892

■ 23, 22.097,
356.892

■ 21, 26.198,
358.675

■ 25, 17.766,
355.409

■ 19, 29.899, 0.853

■ 28, 13.349,
354.145

■ 18, 33.024, 3.550

■ 30, 8.948, 353.048

■ 16, 35.489, 6.854

■ 33, 4.629, 352.066

■ 15, 37.796, 9.675

■ 36, 0.433, 350.708

■ 38, 3.619, 170.569

■ 41, 7.520, 169.839

■ 44, 11.270,
169.192

■ 47, 14.876,
168.602

Harmonies

Complementary

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



23, 22.097, 356.892



32, 19.938, 166.173

Rectangle

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



23, 22.097, 356.892



23, 22.097, 46.892



23, 22.097, 176.892



23, 22.097, 226.892

Sweetspot

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



23, 22.095, 356.894



41, 7.864, 352.495



22, 30.375, 315.085



20, 5.418, 352.620



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



23, 22.095, 356.894



28, 32.429, 359.083



24, 19.925, 32.704



16, 2.392, 351.855



21, 44.773, 11.440



50, 80.342, 15.310

Inverse Universe

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



23, 22.095, 356.894



28, 32.429, 359.083



31, 13.942, 210.922



16, 2.392, 351.855



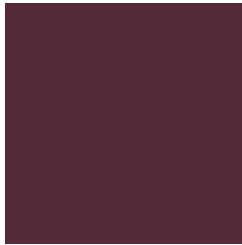
21, 44.773, 11.440



50, 80.342, 15.310

Previews

White Background



This preview shows how the CIE LCh color 23, 22.097, 356.892 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, 22.097, 356.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

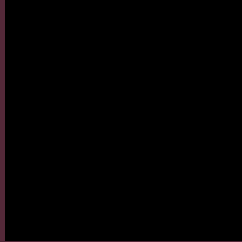
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 22.097, 356.892

Background



This preview shows how black text looks on a background with the CIELCh color 23, 22.097, 356.892.



This preview shows how white text looks on a background with the CIELCh color 23, 22.097, 356.892.

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, 22.097, 356.892

Protanopia

23, 7.361, 285.176

Deuteranopia

23, 3.330, 8.526



Tritanopia
23, 19.848, 18.429

Trichromacy



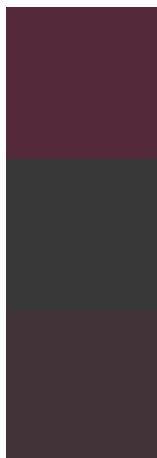
Original Color
23, 22.097, 356.892

Protanomaly
23, 10.712, 327.501

Deuteranomaly
23, 10.412, 355.254

Tritanomaly
23, 20.275, 9.533

Monochromacy



Original Color
23, 22.097, 356.892

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 7.741, 355.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 22.097, 356.892 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(84, 41, 57)` looks like.

```
.text, #text, p{  
    color:rgb(84, 41, 57)  
}
```

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(84, 41, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 41, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 22.097, 356.892 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(84, 41, 57) }
```

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

```
.border{ border-color:rgb(84, 41, 57) }
```

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

Here you see how a box with a 4 pixel rgb(84, 41, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 41, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 41, 57);  
box-shadow:4px 4px 4px 4px rgb(84, 41, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 22.097, 356.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 41, 57) }
```

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

```
.background{ background-color: rgb(84, 41,  
57) }
```

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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