

Converting Colors

CIELCh(23, 22.040, 2.488)

Have a look what the booklet for
CIELCh(23, 22.040, 2.488) contains.

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Color

CIELCh(23, 22.040, 2.488)

Conversions

Conversions Part 1

Format	Color
Hex	552936
RGB	85, 41, 54
RGB Percent	33%, 16%, 21%
CMY	0.6661, 0.8387, 0.7877
CMYK	0.00, 0.52, 0.36, 0.67
HSL	342°, 35%, 25%
HSV	342°, 52%, 33%
XYZ	5.2255, 3.8003, 3.9638
YIQ	55.6380, 22.0510, 13.3710

Conversions

Conversions Part 2

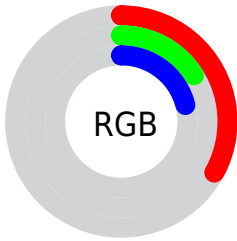
Format	Color
RYB	85, 41, 54
Decimal	5581110
CIELab	23.00, 22.02, 0.96
CIELCh	23, 22.040, 2.488
Yxy	3.8003, 0.4023, 0.2926
Android (android.graphics.Color)	4283771190 (0xFF552936)
YUV	55.6380, -0.8075, 25.7505
Hunter-Lab	19.4944, 13.7322, 1.5907

Details

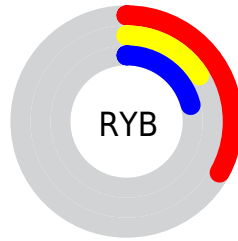
The CIELCh color **23, 22.040, 2.488** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 19.070, 171.243**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 21.763, 1.971**, and **4, 19.665, 8.873** is the 20% darker color. If you saturate the color by 10%, you get **21, 26.209, 4.487**, and if you desaturate by 10%, it is **25, 17.693, 0.848**.

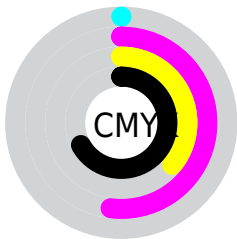
Distribution



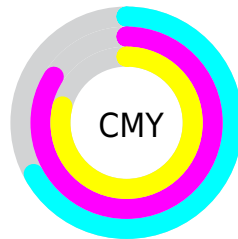
- Red (33%)
- Green (16%)
- Blue (21%)



- Red (33%)
- Yellow (16%)
- Blue (21%)



- Cyan (0%)
- Magenta (52%)
- Yellow (36%)
- Black (67%)



- Cyan (67%)
- Magenta (84%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 22.040, 2.488 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, 22.040, 2.488 by changing the saturation by 10% instead.

 23, 22.040, 2.488  23, 22.040, 2.488

 100, 22.040, 2.488  13, 22.040, 2.488

 43, 22.040, 2.488  3, 22.040, 2.488

 53, 22.040, 2.488  0, 22.040, 2.488

 63, 22.040, 2.488

 73, 22.040, 2.488

 83, 22.040, 2.488

 93, 22.040, 2.488

 23, 22.040, 2.488  23, 22.040, 2.488

 21, 26.209, 4.487  25, 17.693, 0.848

19, 30.045, 6.951

28, 13.306,
359.472

18, 33.384, 10.014

30, 8.971, 358.296

16, 36.185, 13.716

33, 4.749, 357.261

16, 38.676, 16.567

36, 0.676, 356.047

38, 3.235, 175.723

41, 6.978, 174.973

44, 10.560,
174.321

47, 13.987,
173.732

Harmonies

Complementary

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



23, 22.040, 2.488



33, 19.070, 171.243

Rectangle

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



23, 22.040, 2.488



23, 22.040, 52.488



23, 22.040, 182.488



23, 22.040, 232.488

Sweetspot

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



23, 22.038, 2.490



41, 8.080, 357.748



22, 31.344, 317.721



20, 5.511, 357.870



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, 22.038, 2.490



27, 32.385, 5.015



25, 19.294, 39.721



16, 2.295, 356.975



21, 45.714, 18.395



50, 82.961, 22.493

Inverse Universe

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



23, 22.038, 2.490



27, 32.385, 5.015



30, 13.543, 222.562



16, 2.295, 356.975



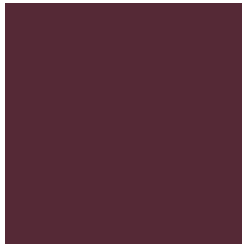
21, 45.714, 18.395



50, 82.961, 22.493

Previews

White Background



This preview shows how the CIE LCh color 23, 22.040, 2.488 looks on a white background.

Color Contrast Check

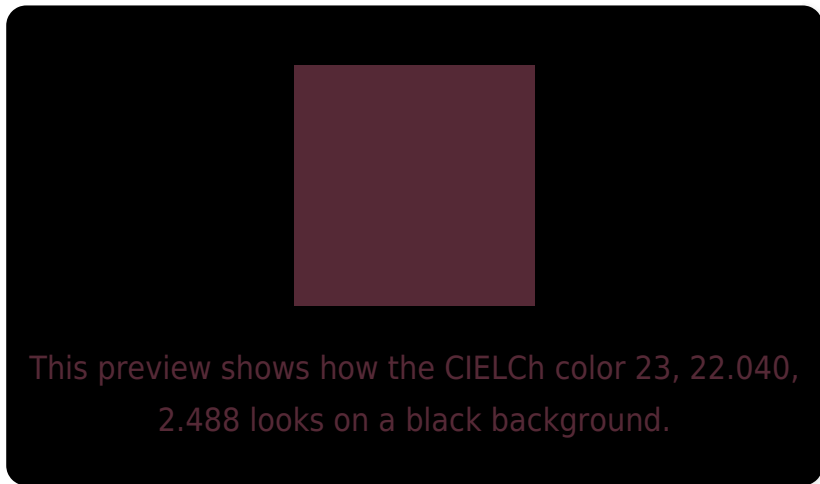
Large Text (above 18pt) WCAG AA ✓ Pass

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

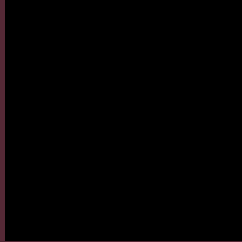
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 22.040, 2.488

Background



This preview shows how black text looks on a background with the CIELCh color 23, 22.040, 2.488.



This preview shows how white text looks on a background with the CIELCh color 23, 22.040, 2.488.

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, 22.040, 2.488

Protanopia

23, 4.667, 291.197

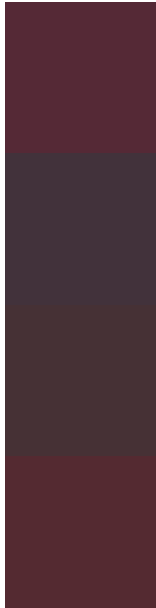
Deuteranopia

23, 4.027, 39.185



Tritanopia
23, 20.341, 18.690

Trichromacy



Original Color

23, 22.040, 2.488

Protanomaly

23, 9.461, 342.179

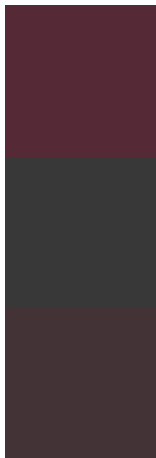
Deuteranomaly

23, 10.330, 6.838

Tritanomaly

23, 20.722, 11.823

Monochromacy



Original Color

23, 22.040, 2.488

Achromatopsia

24, 0.004, 296.813

Achromatomaly

23, 7.967, 1.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 22.040, 2.488 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(85, 41, 54)` looks like.

```
.text, #text, p{  
    color:rgb(85, 41, 54)  
}
```

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(85, 41, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 41, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 22.040, 2.488 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(85, 41, 54) }
```

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

```
.border{ border-color:rgb(85, 41, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 41, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 41, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 41, 54);  
box-shadow:4px 4px 4px 4px rgb(85, 41, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 22.040, 2.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 41, 54) }
```

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

```
.background{ background-color: rgb(85, 41,  
54) }
```

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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