

Converting Colors

CIELCh(22, 26.504, 3.860)

Have a look what the booklet for
CIELCh(22, 26.504, 3.860) contains.

CIELCh(22, 26.350, 3.732)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(22, 26.350, 3.732)

Conversions

Conversions Part 1	
Format	Color
Hex	582333
RGB	88, 35, 51
RGB Percent	35%, 14%, 20%
CMY	0.6549, 0.8627, 0.8000
CMYK	0.00, 0.60, 0.42, 0.65
HSL	342°, 43%, 24%
HSV	342°, 60%, 35%
XYZ	5.2226, 3.5154, 3.5349
YIQ	52.6710, 26.4520, 16.2120

Conversions

Conversions Part 2

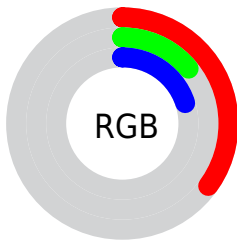
Format	Color
RYB	88, 35, 51
Decimal	5776179
CIELab	22.00, 26.29, 1.72
CIELCh	22, 26.350, 3.732
Yxy	3.5154, 0.4255, 0.2864
Android (android.graphics.Color)	4283966259 (0xFF582333)
YUV	52.6710, -0.8238, 30.9835
Hunter-Lab	18.7494, 16.9091, 1.9465

Details

The CIELCh color **22, 26.350, 3.732** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 22.386, 169.667**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 26.260, 3.854**, and **5, 20.971, 15.241** is the 20% darker color. If you saturate the color by 10%, you get **20, 30.324, 6.130**, and if you desaturate by 10%, it is **24, 22.039, 1.790**.

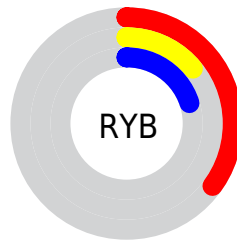
Distribution



Red (35%)

Green (14%)

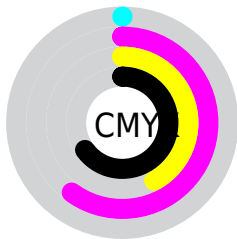
Blue (20%)



Red (35%)

Yellow (14%)

Blue (20%)

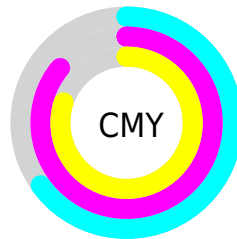


Cyan (0%)

Magenta (60%)

Yellow (42%)

Black (65%)



Cyan (65%)

Magenta (86%)


Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 26.350, 3.732 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 22, 26.350, 3.732 by changing the saturation by 10% instead.

 22, 26.350, 3.732  22, 26.350, 3.732

 100, 26.350, 3.732  12, 26.350, 3.732

 42, 26.350, 3.732  2, 26.350, 3.732

 52, 26.350, 3.732  0, 26.350, 3.732


 62, 26.350, 3.732

 72, 26.350, 3.732

 82, 26.350, 3.732

 92, 26.350, 3.732

 22, 26.350, 3.732  22, 26.350, 3.732

 20, 30.324, 6.130  24, 22.039, 1.790

■ 19, 33.796, 9.110

■ 27, 17.562, 0.188

■ 17, 36.657, 12.787

■ 29, 13.052,
358.842

■ 16, 39.522, 16.273

■ 32, 8.601, 357.688

■ 35, 4.271, 356.664

■ 37, 0.095, 353.083

■ 40, 3.913, 175.143

■ 43, 7.751, 174.410

■ 46, 11.423,
173.765

Harmonies

Complementary

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



22, 26.350, 3.732



34, 22.386, 169.667

Rectangle

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



22, 26.350, 3.732



22, 26.350, 53.732



22, 26.350, 183.732



22, 26.350, 233.732

Sweetspot

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



22, 26.348, 3.734



42, 9.501, 357.514



21, 37.212, 317.468



20, 6.677, 357.726



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



22, 26.348, 3.734



27, 38.358, 7.290



24, 24.079, 38.824



16, 2.303, 356.519



21, 45.603, 17.810



50, 82.680, 21.899

Inverse Universe

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



22, 26.348, 3.734



27, 38.358, 7.290



31, 15.616, 221.152



16, 2.303, 356.519



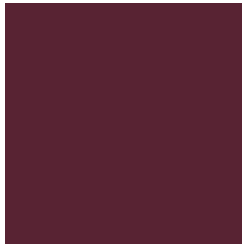
21, 45.603, 17.810



50, 82.680, 21.899

Previews

White Background



This preview shows how the CIELCh color 22, 26.350, 3.732 looks on a white background.

Color Contrast Check

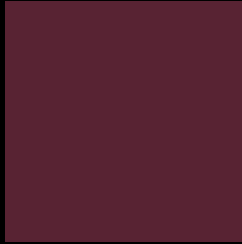
Large Text (above 18pt) WCAG AA ✓ Pass

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 22, 26.350, 3.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

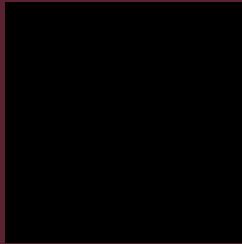
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 26.350, 3.732

Background



This preview shows how black text looks on a background with the CIELCh color 22, 26.350, 3.732.



This preview shows how white text looks on a background with the CIELCh color 22, 26.350, 3.732.

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

22, 26.350, 3.732

Protanopia

22, 6.041, 287.422

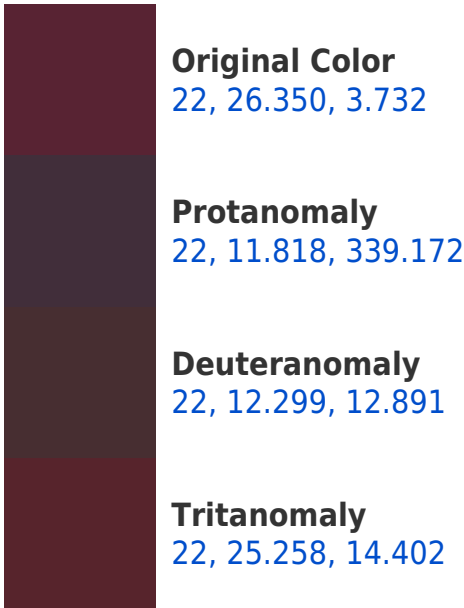
Deuteranopia

23, 5.130, 51.251

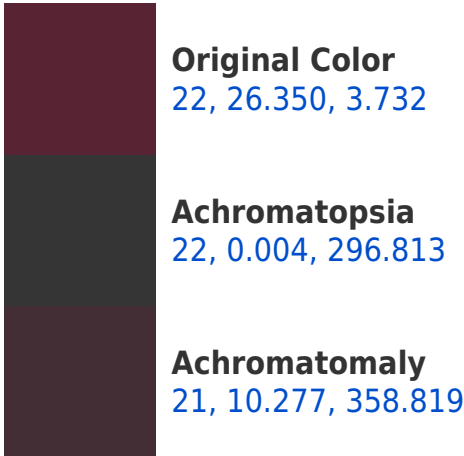


Tritanopia
22, 25.181, 21.418

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 22, 26.350, 3.732 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(88, 35, 51)` looks like.

```
.text, #text, p{  
    color:rgb(88, 35, 51)  
}
```

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(88, 35, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 35, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 26.350, 3.732 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(88, 35, 51) }
```

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

```
.border{ border-color:rgb(88, 35, 51) }
```

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

Here you see how a box with a 4 pixel rgb(88, 35, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 35, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 35, 51);  
box-shadow:4px 4px 4px 4px rgb(88, 35, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 26.350, 3.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 35, 51) }
```

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

```
.background{ background-color: rgb(88, 35,  
51) }
```

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