

Converting Colors

CIELCh(37, 20.883, 332.794)

Have a look what the booklet for
CIELCh(37, 20.883, 332.794)
contains.

CIELCh(37, 20.883, 332.794)	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(37, 20.883, 332.794)

Conversions

Conversions Part 1

Format	Color
Hex	6E4D67
RGB	110, 77, 103
RGB Percent	43%, 30%, 40%
CMY	0.5698, 0.6991, 0.5972
CMYK	0.00, 0.30, 0.06, 0.57
HSL	313°, 18%, 37%
HSV	313°, 30%, 43%
XYZ	11.4612, 9.5379, 13.9923
YIQ	89.8310, 11.3220, 15.0820

Conversions

Conversions Part 2

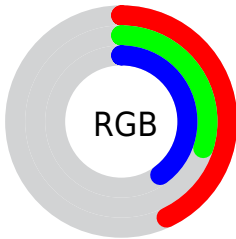
Format	Color
R_{YB}	110, 77, 103
Decimal	7228775
CIE Lab	37.00, 18.57, -9.55
CIE LCh	37, 20.883, 332.794
Yxy	9.5379, 0.3275, 0.2726
Android (android.graphics.Color)	4285418855 (0xFF6E4D67)
YUV	89.8310, 6.4923, 17.6882
Hunter-Lab	30.8835, 12.1970, -5.2439

Details

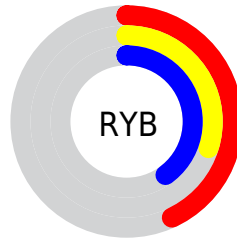
The CIELCh color $[37, 20.883, 332.794]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[43, 20.779, 148.806]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 21.093, 332.721]$, and $[17, 20.897, 333.293]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 27.680, 333.459]$, and if you desaturate by 10%, it is $[40, 13.926, 332.151]$.

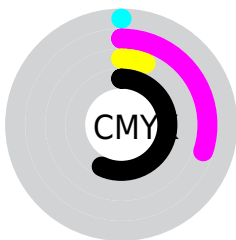
Distribution



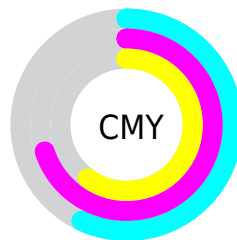
- Red (43%)
- Green (30%)
- Blue (40%)



- Red (43%)
- Yellow (30%)
- Blue (40%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (57%)





- Cyan (57%)
- Magenta (70%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 20.883, 332.794 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 37, 20.883, 332.794 by changing the saturation by 10% instead.

 37, 20.883,
332.794

 37, 20.883,
332.794

 100, 20.883,
332.794


 27, 20.883,
332.794

 57, 20.883,
332.794


 17, 20.883,
332.794


 67, 20.883,
332.794

 7, 20.883, 332.794

 77, 20.883,
332.794

 0, 20.883, 332.794

 87, 20.883,
332.794

 97, 20.883,
332.794

■ 37, 20.883,
332.794

■ 37, 20.883,
332.794

■ 34, 27.680,
333.459

■ 40, 13.926,
332.151

■ 32, 34.131,
334.148

■ 43, 6.951, 331.521

■ 29, 39.995,
334.866

■ 46, 0.048, 326.786

■ 50, 6.723, 150.422

■ 27, 44.992,
335.625

■ 53, 13.328,
149.866

■ 26, 48.843,
336.444

■ 56, 19.750,
149.347

■ 24, 51.340,
337.350

■ 60, 25.983,
148.856

■ 24, 53.073,
338.295

■ 63, 32.031,
148.392

■ 66, 37.898,
147.953

Harmonies

Complementary

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



37, 20.883, 332.794



43, 20.779, 148.806

Rectangle

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



37, 20.883, 332.794



37, 20.883, 22.794



37, 20.883, 152.794



37, 20.883, 202.794

Sweetspot

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



37, 20.881, 332.794



56, 7.713, 331.468



34, 20.878, 300.326



28, 5.327, 331.540



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



37, 20.881, 332.794



46, 30.952, 333.251



36, 15.574, 359.057



22, 3.954, 331.454



26, 56.446, 338.415



56, 95.579, 339.140

Inverse Universe

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



37, 20.881, 332.794



46, 30.952, 333.251



44, 14.321, 173.179



22, 3.954, 331.454



26, 56.446, 338.415



56, 95.579, 339.140

Previews

White Background



This preview shows how the CIELCh color 37, 20.883, 332.794 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 37, 20.883, 332.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

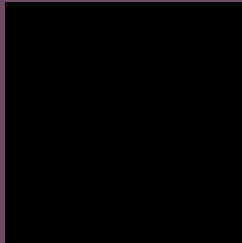
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 20.883, 332.794

Background



This preview shows how black text looks on a background with the CIELCh color 37, 20.883, 332.794.



This preview shows how white text looks on a background with the CIELCh color 37, 20.883, 332.794.

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

37, 20.883, 332.794

Protanopia

37, 14.264, 286.364

Deuteranopia

37, 10.063, 300.909



Tritanopia
37, 12.795, 4.756

Trichromacy



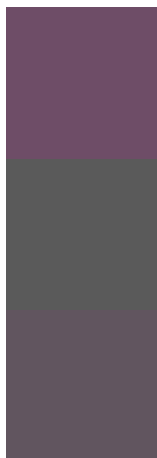
Original Color
37, 20.883, 332.794

Protanomaly
37, 15.341, 305.775

Deuteranomaly
37, 13.845, 318.078

Tritanomaly
37, 15.079, 349.935

Monochromacy



Original Color
37, 20.883, 332.794

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 7.983, 330.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 20.883, 332.794 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(110, 77, 103)` looks like.

```
.text, #text, p{  
    color:rgb(110, 77, 103)  
}
```

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(110, 77, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 77, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 20.883, 332.794 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(110, 77, 103) }
```

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

```
.border{ border-color:rgb(110, 77, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 77, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 77, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 77, 103);  
box-shadow:4px 4px 4px 4px rgb(110, 77,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 20.883, 332.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 77, 103) }
```

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

```
.background{ background-color: rgb(110, 77,  
103) }
```

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