

Converting Colors

CIELCh(37, 20.656, 94.452)

Have a look what the booklet for
CIELCh(37, 20.656, 94.452) contains.

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Color

CIELCh(37, 20.563, 94.654)

Conversions

Conversions Part 1

Format	Color
Hex	605736
RGB	96, 87, 54
RGB Percent	38%, 34%, 21%
CMY	0.6241, 0.6594, 0.7887
CMYK	0.00, 0.09, 0.44, 0.62
HSL	47°, 28%, 29%
HSV	47°, 44%, 38%
XYZ	8.8683, 9.5379, 4.8475
YIQ	85.9290, 15.9570, -8.3550

Conversions

Conversions Part 2

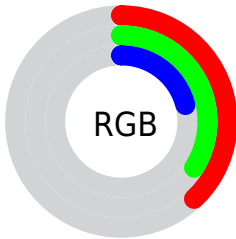
Format	Color
RYB	65, 96, 54
Decimal	6313782
CIELab	37.00, -1.67, 20.50
CIELCh	37, 20.563, 94.654
Yxy	9.5379, 0.3814, 0.4102
Android (android.graphics.Color)	4284503862 (0xFF605736)
YUV	85.9290, -15.7410, 8.8323
Hunter-Lab	30.8835, -2.7892, 12.3123

Details

The CIELCh color **37, 20.563, 94.654** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **27, 21.559, 285.912**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 20.801, 95.723**, and **17, 20.548, 95.536** is the 20% darker color. If you saturate the color by 10%, you get **36, 25.178, 93.484**, and if you desaturate by 10%, it is **38, 15.866, 95.814**.

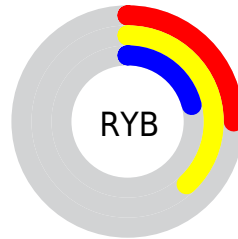
Distribution



Red (38%)

Green (34%)

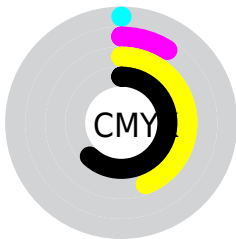
Blue (21%)



Red (25%)

Yellow (38%)

Blue (21%)

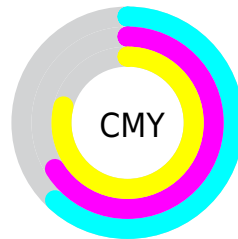


Cyan (0%)

Magenta (9%)

Yellow (44%)

Black (62%)



Cyan (62%)

Magenta (66%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 20.563, 94.654 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, 20.563, 94.654 by changing the saturation by 10% instead.

■ 37, 20.563, 94.654

■ 37, 20.563, 94.654

■ 100, 20.563,
94.654

■ 27, 20.563, 94.654

■ 57, 20.563, 94.654

■ 17, 20.563, 94.654

■ 67, 20.563, 94.654

■ 7, 20.563, 94.654

■ 77, 20.563, 94.654

■ 0, 20.563, 94.654

■ 87, 20.563, 94.654

■ 97, 20.563, 94.654

■ 37, 20.563, 94.654

■ 37, 20.563, 94.654

■ 36, 25.178, 93.484

■ 38, 15.866, 95.814

35, 29.606, 92.294

39, 11.145, 96.946

35, 33.683, 91.081

39, 6.437, 98.048

34, 37.162, 89.829

40, 1.761, 99.085

33, 39.882, 88.526

41, 2.873, 280.215

33, 41.728, 87.786

42, 7.459, 281.196

43, 11.996,
282.151

44, 16.484,
283.066

45, 20.924,
283.939

Harmonies

Complementary

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



37, 20.563, 94.654



27, 21.559, 285.912

Rectangle

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



37, 20.563, 94.654



37, 20.563, 144.654



37, 20.563, 274.654



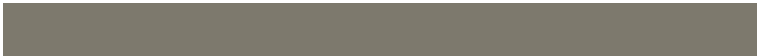
37, 20.563, 324.654

Sweetspot

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



37, 20.564, 94.658



51, 7.540, 98.092



28, 20.189, 7.085



26, 5.322, 97.915



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 20.564, 94.658



47, 30.833, 93.387



39, 25.614, 118.766



20, 2.633, 98.573



39, 46.546, 87.454



79, 80.931, 86.322

Inverse Universe

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



27, 21.559, 285.912



32, 32.975, 288.194



26, 27.970, 304.232



18, 2.658, 280.551



15, 60.329, 300.669



35, 111.532, 302.399

Previews

White Background



This preview shows how the CIELCh color 37, 20.563, 94.654 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, 20.563, 94.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

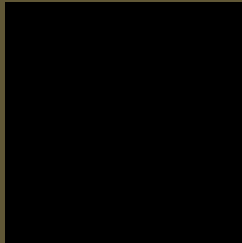
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 20.563, 94.654

Background



This preview shows how black text looks on a background with the CIELCh color 37, 20.563, 94.654.



This preview shows how white text looks on a background with the CIELCh color 37, 20.563, 94.654.

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, 20.563, 94.654

Protanopia

37, 20.458, 95.979

Deuteranopia

37, 20.473, 75.713



Tritanopia
37, 7.814, 352.386

Trichromacy



Original Color
37, 20.563, 94.654

Protanomaly
37, 20.458, 95.979

Deuteranomaly
37, 19.950, 81.200

Tritanomaly
37, 8.055, 57.566

Monochromacy



Original Color
37, 20.563, 94.654

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 7.604, 95.266

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 37, 20.563, 94.654 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(96, 87, 54)` looks like.

```
.text, #text, p{  
    color:rgb(96, 87, 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(96, 87, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 87, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 20.563, 94.654 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(96, 87, 54) }
```

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

```
.border{ border-color:rgb(96, 87, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 87, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 87, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 87, 54);  
box-shadow:4px 4px 4px 4px rgb(96, 87, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 20.563, 94.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 87, 54) }
```

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

```
.background{ background-color: rgb(96, 87,  
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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