

Converting Colors

CIELCh(55, 94.729, 36.943)

Have a look what the booklet for
CIELCh(55, 94.729, 36.943) contains.

CIELCh(55, 94.822, 37.078)	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>	25

Color

CIELCh(55, 94.822, 37.078)

Conversions

Conversions Part 1

Format	Color
Hex	FF2923
RGB	255, 41, 35
RGB Percent	100%, 16%, 14%
CMY	0.0005, 0.8398, 0.8631
CMYK	0.00, 0.84, 0.86, 0.00
HSL	2°, 100%, 57%
HSV	2°, 86%, 100%
XYZ	42.2808, 22.9298, 3.7803
YIQ	104.3020, 129.4700, 43.5020

Conversions

Conversions Part 2

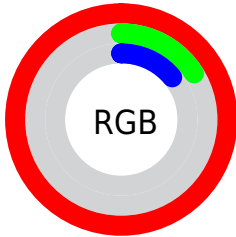
Format	Color
R_{YB}	255, 41, 35
Decimal	16722211
CIE _{Lab}	55.00, 75.65, 57.17
CIE _{LCh}	55, 94.822, 37.078
Yxy	22.9298, 0.6128, 0.3324
Android (android.graphics.Color)	4294912291 (0xFFFF2923)
YUV	104.3020, -34.1659, 132.1621
Hunter-Lab	47.8851, 73.8101, 28.8390

Details

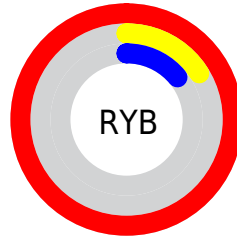
The CIELCh color **55, 94.822, 37.078** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **90, 47.347, 200.325**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 67.999, 37.954**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 102.333, 39.488**, and if you desaturate by 10%, it is **57, 84.158, 33.852**.

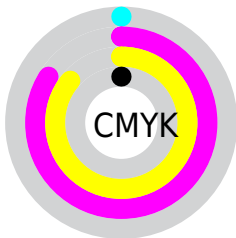
Distribution



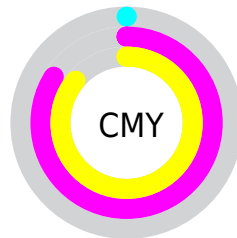
- Red (100%)
- Green (16%)
- Blue (14%)



- Red (100%)
- Yellow (16%)
- Blue (14%)



- Cyan (0%)
- Magenta (84%)
- Yellow (86%)
- Black (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 94.822, 37.078 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 55, 94.822, 37.078 by changing the saturation by 10% instead.

 55, 94.822, 37.078

 55, 94.822, 37.078

 100, 94.822,
37.078

 45, 94.822, 37.078

 75, 94.822, 37.078

 35, 94.822, 37.078

 85, 94.822, 37.078

 25, 94.822, 37.078

 95, 94.822, 37.078


 15, 94.822, 37.078

 5, 94.822, 37.078

 0, 94.822, 37.078

 55, 94.822, 37.078

 55, 94.822, 37.078

 54, 102.333,
39.488

 57, 84.158, 33.852

 61, 72.271, 30.788

53, 104.211,
40.190

66, 60.035, 28.240

71, 47.936, 26.242

77, 36.296, 24.713

83, 25.311, 23.553

89, 15.073, 22.666

96, 5.597, 21.935

100, 0.046,
214.006

Harmonies

Complementary

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



55, 94.822, 37.078



90, 47.347, 200.325

Rectangle

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



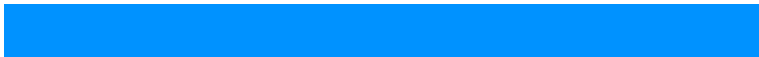
55, 94.822, 37.078



55, 94.822, 87.078



55, 94.822, 217.078



55, 94.822, 267.078

Sweetspot

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



55, 94.819, 37.080



83, 24.999, 23.522



61, 110.650, 328.735



42, 17.177, 23.886



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 94.819, 37.080



53, 104.252, 40.189



71, 77.507, 64.928



50, 5.115, 22.167



40, 83.857, 40.272



10, 32.814, 28.494

Inverse Universe

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



90, 47.347, 200.325



89, 48.234, 200.802



59, 65.535, 280.454



52, 4.812, 201.366



69, 38.874, 200.724



23, 17.962, 200.183

Previews

White Background



This preview shows how the CIELCh color 55, 94.822, 37.078 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 94.822, 37.078 looks on a black 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 × Fail

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

CIELCh 55, 94.822, 37.078

Background



This preview shows how black text looks on a background with the CIELCh color 55, 94.822, 37.078.



This preview shows how white text looks on a background with the CIELCh color 55, 94.822, 37.078.

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

55, 94.822, 37.078

Protanopia

55, 42.321, 95.487

Tritanopia

55, 94.192, 36.303

Trichromacy



Original Color
55, 94.822, 37.078

Protanomaly
51, 53.350, 54.367

Tritanomaly
55, 94.446, 36.532

Monochromacy



Original Color
55, 94.822, 37.078

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 35.828, 26.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 94.822, 37.078 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(255, 41, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 35)  
}
```

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(255, 41, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 94.822, 37.078 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(255, 41, 35) }
```

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

```
.border{ border-color:rgb(255, 41, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 41, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 94.822, 37.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 35) }
```

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

```
.background{ background-color: rgb(255, 41,  
35) }
```

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