

Converting Colors

CIELCh(55, 62.356, 37.871)

Have a look what the booklet for
CIELCh(55, 62.356, 37.871) contains.

CIELCh(55, 62.256, 37.754)	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(55, 62.256, 37.754)

Conversions

Conversions Part 1

Format	Color
Hex	DB5A44
RGB	219, 90, 68
RGB Percent	86%, 35%, 27%
CMY	0.1394, 0.6455, 0.7320
CMYK	0.00, 0.59, 0.69, 0.14
HSL	9°, 68%, 56%
HSV	9°, 69%, 86%
XYZ	34.0923, 22.9298, 8.1525
YIQ	126.0630, 83.9460, 20.5060

Conversions

Conversions Part 2

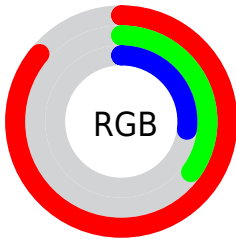
Format	Color
RYB	219, 94, 68
Decimal	14375492
CIELab	55.00, 49.22, 38.12
CIElCh	55, 62.256, 37.754
Yxy	22.9298, 0.5231, 0.3518
Android (android.graphics.Color)	4292565572 (0xFFDB5A44)
YUV	126.0630, -28.6251, 81.5057
Hunter-Lab	47.8851, 43.2860, 23.4253

Details

The CIELCh color **55, 62.256, 37.754** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **74, 35.079, 217.292**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 51.132, 39.771**, and **35, 62.151, 37.633** is the 20% darker color. If you saturate the color by 10%, you get **52, 72.909, 39.391**, and if you desaturate by 10%, it is **59, 51.572, 36.352**.

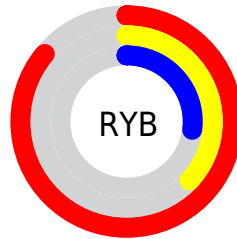
Distribution



Red (86%)

Green (35%)

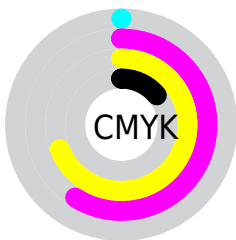
Blue (27%)



Red (86%)

Yellow (37%)

Blue (27%)

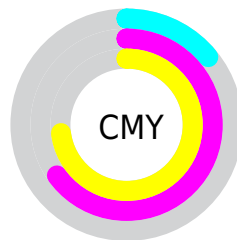


Cyan (0%)

Magenta (59%)

Yellow (69%)

Black (14%)



Cyan (14%)

Magenta (65%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 62.256, 37.754 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, 62.256, 37.754 by changing the saturation by 10% instead.

 55, 62.256, 37.754

 55, 62.256, 37.754

 100, 62.256,
37.754

 45, 62.256, 37.754

 75, 62.256, 37.754

 35, 62.256, 37.754

 85, 62.256, 37.754

 25, 62.256, 37.754

 95, 62.256, 37.754

 15, 62.256, 37.754

 5, 62.256, 37.754

 0, 62.256, 37.754

 55, 62.256, 37.754

 55, 62.256, 37.754

 52, 72.909, 39.391

 59, 51.572, 36.352

 49, 82.649, 40.908

 63, 41.269, 35.263

47, 89.943, 41.718

68, 31.541, 34.474

47, 90.700, 41.855

73, 22.473, 33.936

78, 14.081, 33.593

83, 6.344, 33.371

88, 0.787, 214.166

94, 7.367, 213.530

98, 11.981,
198.706

Harmonies

Complementary

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



55, 62.256, 37.754



74, 35.079, 217.292

Rectangle

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



55, 62.256, 37.754



55, 62.256, 87.754



55, 62.256, 217.754



55, 62.256, 267.754

Sweetspot

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



55, 62.254, 37.757



88, 17.885, 33.658



56, 81.037, 332.488



45, 12.248, 33.747



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, 62.254, 37.757



58, 87.170, 40.178



71, 56.878, 78.773



43, 4.073, 33.383



37, 75.741, 42.151



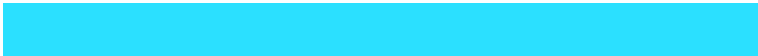
7, 21.650, 28.038

Inverse Universe

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



74, 35.079, 217.292



82, 42.377, 219.998



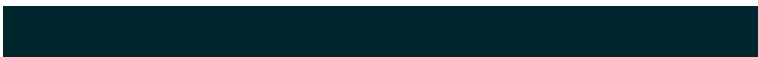
53, 55.911, 283.503



45, 3.833, 213.531



56, 32.674, 223.645



14, 13.250, 218.348

Previews

White Background



This preview shows how the CIELCh color 55, 62.256, 37.754 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, 62.256, 37.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

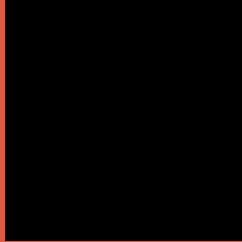
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 62.256, 37.754

Background



This preview shows how black text looks on a background with the CIELCh color 55, 62.256, 37.754.



This preview shows how white text looks on a background with the CIELCh color 55, 62.256, 37.754.

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, 62.256, 37.754

Protanopia

55, 28.213, 95.747

Deuteranopia

55, 40.747, 80.308



Tritanopia
55, 58.093, 24.598

Trichromacy



Original Color
55, 62.256, 37.754

Protanomaly
54, 34.334, 60.665

Deuteranomaly
54, 45.085, 58.560

Tritanomaly
55, 59.119, 29.574

Monochromacy



Original Color
55, 62.256, 37.754

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 21.122, 34.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 62.256, 37.754 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(219, 90, 68)` looks like.

```
.text, #text, p{  
    color:rgb(219, 90, 68)  
}
```

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(219, 90, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 90, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 62.256, 37.754 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(219, 90, 68) }
```

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

```
.border{ border-color:rgb(219, 90, 68) }
```

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

Here you see how a box with a 4 pixel rgb(219, 90, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 90, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 90, 68);  
box-shadow:4px 4px 4px 4px rgb(219, 90,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 62.256, 37.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 90, 68) }
```

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

```
.background{ background-color: rgb(219, 90,  
68) }
```

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