

Converting Colors

CIELCh(70, 55.896, 80.891)

Have a look what the booklet for
CIELCh(70, 55.896, 80.891) contains.

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Color

CIELCh(70, 55.863, 80.940)

Conversions

Conversions Part 1

Format	Color
Hex	D5A343
RGB	213, 163, 67
RGB Percent	84%, 64%, 26%
CMY	0.1647, 0.3607, 0.7372
CMYK	0.00, 0.23, 0.69, 0.16
HSL	39°, 63%, 55%
HSV	39°, 69%, 84%
XYZ	41.5544, 40.7494, 10.9864
YIQ	167.0060, 60.6160, -19.2560

Conversions

Conversions Part 2

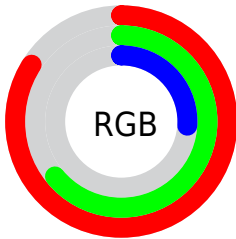
Format	Color
RYB	143, 213, 67
Decimal	14000963
CIELab	70.00, 8.80, 55.17
CIELCh	70, 55.863, 80.940
Yxy	40.7494, 0.4454, 0.4368
Android (android.graphics.Color)	4292191043 (0xFFD5A343)
YUV	167.0060, -49.3030, 40.3367
Hunter-Lab	63.8353, 4.4851, 34.4805

Details

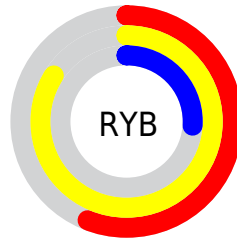
The CIELCh color **70, 55.863, 80.940** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **50, 56.362, 285.155**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 52.963, 88.809**, and **50, 55.813, 81.343** is the 20% darker color. If you saturate the color by 10%, you get **68, 62.943, 79.248**, and if you desaturate by 10%, it is **72, 47.918, 82.484**.

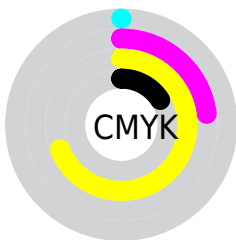
Distribution



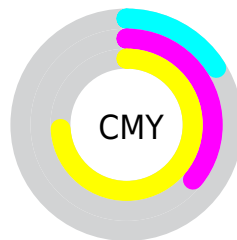
- Red (84%)
- Green (64%)
- Blue (26%)



- Red (56%)
- Yellow (84%)
- Blue (26%)



- Cyan (0%)
- Magenta (23%)
- Yellow (69%)
- Black (16%)



- Cyan (16%)
- Magenta (36%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 55.863, 80.940 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 70, 55.863, 80.940 by changing the saturation by 10% instead.

 70, 55.863, 80.940

 70, 55.863, 80.940

 100, 55.863,
80.940

 60, 55.863, 80.940

 90, 55.863, 80.940

 50, 55.863, 80.940

 40, 55.863, 80.940

 30, 55.863, 80.940

 20, 55.863, 80.940

 10, 55.863, 80.940

 0, 55.863, 80.940

 70, 55.863, 80.940

 70, 55.863, 80.940

 68, 62.943, 79.248

 72, 47.918, 82.484

66, 68.398, 77.264

74, 39.608, 83.942

64, 71.608, 74.837

76, 31.217, 85.347

64, 72.024, 74.480

79, 22.894, 86.709

81, 14.710, 88.029

83, 6.696, 89.292

86, 1.141, 270.797

88, 8.806, 271.789

90, 14.511,
270.206

Harmonies

Complementary

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



70, 55.863, 80.940



50, 56.362, 285.155

Rectangle

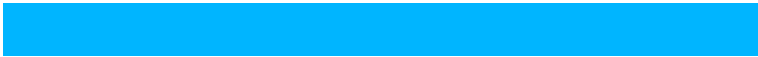
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 55.863, 80.940



70, 55.863, 130.940



70, 55.863, 260.940



70, 55.863, 310.940

Sweetspot

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



70, 55.863, 80.943



94, 19.338, 87.680



51, 60.754, 3.546



50, 13.129, 87.313



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 55.863, 80.943



79, 75.071, 78.441



81, 71.178, 111.503



44, 4.475, 89.184



52, 61.118, 74.970



12, 18.042, 77.638

Inverse Universe

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



50, 56.362, 285.155



53, 79.291, 290.207



39, 86.902, 304.077



42, 4.469, 271.661



29, 70.976, 295.867



5, 20.982, 283.818

Previews

White Background



This preview shows how the CIELCh color 70, 55.863, 80.940 looks on a white 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

Black Background



This preview shows how the CIE LCh color 70, 55.863, 80.940 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 ✓ Pass

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

CIELCh 70, 55.863, 80.940

Background



This preview shows how black text looks on a background with the CIELCh color 70, 55.863, 80.940.



This preview shows how white text looks on a background with the CIELCh color 70, 55.863, 80.940.

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

70, 55.863, 80.940

Protanopia

70, 54.104, 95.700

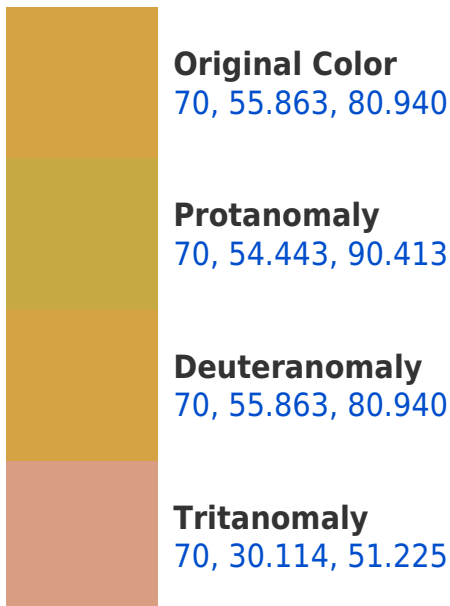
Deuteranopia

70, 55.863, 80.940



Tritanopia
70, 27.031, 8.249

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 55.863, 80.940 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(213, 163, 67)` looks like.

```
.text, #text, p{  
    color:rgb(213, 163, 67)  
}
```

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(213, 163, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 163, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 55.863, 80.940 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(213, 163, 67) }
```

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

```
.border{ border-color:rgb(213, 163, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 163, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 163, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 163, 67);  
box-shadow:4px 4px 4px 4px rgb(213, 163,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 55.863, 80.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 163, 67) }
```

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

```
.background{ background-color: rgb(213,  
163, 67) }
```

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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