

Converting Colors

CIELCh(55, 88.241, 80.795)

Have a look what the booklet for
CIELCh(55, 88.241, 80.795) contains.

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Color

CIELCh(55, 63.303, 76.065)

Conversions

Conversions Part 1

Format	Color
Hex	B37800
RGB	179, 120, 0
RGB Percent	70%, 47%, 0%
CMY	0.2991, 0.5303, 1.0000
CMYK	0.00, 0.33, 1.00, 0.30
HSL	40°, 100%, 35%
HSV	40°, 100%, 70%
XYZ	25.2160, 22.9298, 3.0853
YIQ	123.9610, 73.6840, -24.8120

Conversions

Conversions Part 2

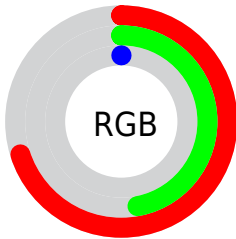
Format	Color
RYB	88, 179, 0
Decimal	11761664
CIELab	55.00, 15.24, 61.44
CIElCh	55, 63.303, 76.065
Yxy	22.9298, 0.4922, 0.4476
Android (android.graphics.Color)	4289951744 (0xFFB37800)
YUV	123.9610, -61.1128, 48.2692
Hunter-Lab	47.8851, 10.1980, 29.6994

Details

The CIELCh color **55, 63.303, 76.065** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **30, 75.145, 296.706**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 63.277, 75.834**, and **35, 47.642, 70.280** is the 20% darker color. If you saturate the color by 10%, you get **55, 63.232, 76.047**, and if you desaturate by 10%, it is **57, 60.304, 78.305**.

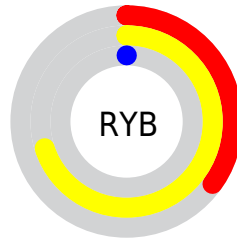
Distribution



Red (70%)

Green (47%)

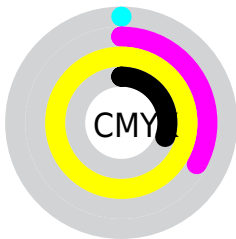
Blue (0%)



Red (35%)

Yellow (70%)

Blue (0%)

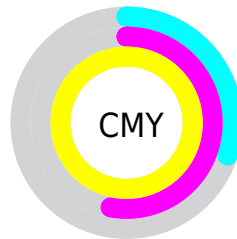


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 63.303, 76.065 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, 63.303, 76.065 by changing the saturation by 10% instead.

■ 55, 63.303, 76.065

■ 55, 63.303, 76.065

■ 100, 63.303,
76.065

■ 45, 63.303, 76.065

■ 75, 63.303, 76.065

■ 35, 63.303, 76.065

■ 85, 63.303, 76.065

■ 25, 63.303, 76.065

■ 95, 63.303, 76.065

■ 15, 63.303, 76.065

■ 5, 63.303, 76.065

■ 0, 63.303, 76.065

■ 55, 63.303, 76.065

■ 55, 63.303, 76.065

■ 55, 63.232, 76.047

■ 57, 60.304, 78.305

■ 58, 55.745, 80.245

■ 60, 49.723, 81.911

■ 61, 42.892, 83.429

■ 63, 35.694, 84.865

■ 65, 28.388, 86.250

■ 67, 21.112, 87.594

■ 69, 13.937, 88.897

■ 71, 6.893, 90.148

Harmonies

Complementary

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



55, 63.303, 76.065



30, 75.145, 296.706

Rectangle

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



55, 63.303, 76.065



55, 63.303, 126.065



55, 63.303, 256.065



55, 63.303, 306.065

Sweetspot

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



55, 63.232, 76.047



85, 26.116, 87.526



38, 66.155, 17.896



44, 18.028, 86.970



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 63.232, 76.047



70, 76.848, 75.519



68, 75.605, 112.823



37, 3.897, 90.231



47, 56.401, 76.422



6, 8.450, 81.927

Inverse Universe

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



30, 75.145, 296.706



40, 92.994, 297.324



22, 101.318, 307.014



35, 3.898, 272.635



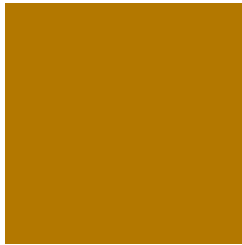
26, 66.148, 296.252



2, 10.163, 276.918

Previews

White Background



This preview shows how the CIELCh color 55, 63.303, 76.065 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 CIE LCh color 55, 63.303, 76.065 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, 63.303, 76.065

Background



This preview shows how black text looks on a background with the CIELCh color 55, 63.303, 76.065.



This preview shows how white text looks on a background with the CIELCh color 55, 63.303, 76.065.

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, 63.303, 76.065

Protanopia

55, 58.224, 95.570

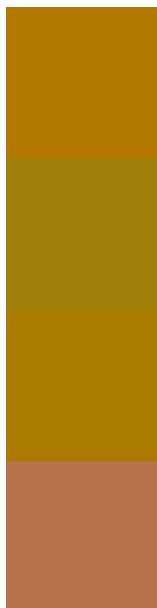
Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 30.932, 13.915

Trichromacy



Original Color
55, 63.303, 76.065

Protanomaly
55, 58.969, 87.893

Deuteranomaly
55, 61.652, 80.732

Tritanomaly
55, 39.471, 54.376

Monochromacy



Original Color
55, 63.303, 76.065

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 26.766, 84.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 63.303, 76.065 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(179, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 120, 0)  
}
```

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(179, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 120, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 63.303, 76.065 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(179, 120, 0) }
```

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

```
.border{ border-color:rgb(179, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 120,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 63.303, 76.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 120, 0) }
```

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

```
.background{ background-color: rgb(179,  
120, 0) }
```

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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