

# Converting Colors

CIELCh(78, 55.577, 95.876)

Have a look what the booklet for  
CIELCh(78, 55.577, 95.876) contains.

<b>CIELCh(78, 55.600, 95.584)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(78, 55.600, 95.584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6C156
RGB	214, 193, 86
RGB Percent	84%, 76%, 34%
CMY	0.1601, 0.2425, 0.6621
CMYK	0.00, 0.10, 0.60, 0.16
HSL	50°, 61%, 59%
HSV	50°, 60%, 84%
XYZ	48.5773, 53.2120, 16.5487
YIQ	187.0810, 46.8630, -28.8250

# Conversions

## Conversions Part 2

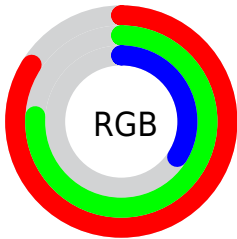
Format	Color
<a href="#">RYB</a>	<a href="#">111, 214, 86</a>
Decimal	<a href="#">14074198</a>
<a href="#">CIELab</a>	<a href="#">78.00, -5.41, 55.34</a>
<a href="#">CIELCh</a>	<a href="#">78, 55.600, 95.584</a>
<a href="#">Yxy</a>	<a href="#">53.2120, 0.4105, 0.4497</a>
Android ( <a href="#">android.graphics.Color</a> )	<a href="#">4292264278</a> ( <a href="#">0xFFD6C156</a> )
<a href="#">YUV</a>	<a href="#">187.0810, -49.8329, 23.6080</a>
<a href="#">Hunter-Lab</a>	<a href="#">72.9466, -8.7879, 37.6120</a>

# Details

The CIELCh color **78, 55.600, 95.584** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **49, 62.580, 293.054**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 54.691, 103.385**, and **58, 55.540, 95.876** is the 20% darker color. If you saturate the color by 10%, you get **77, 63.436, 94.418**, and if you desaturate by 10%, it is **79, 46.896, 96.763**.

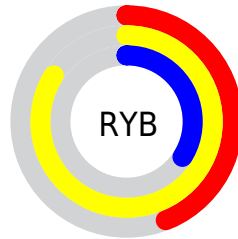
# Distribution



Red (84%)

Green (76%)

Blue (34%)



Red (44%)

Yellow (84%)

Blue (34%)

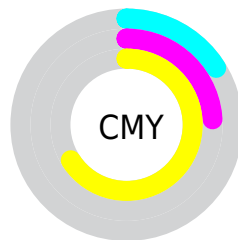


Cyan (0%)

Magenta (10%)

Yellow (60%)

Black (16%)



Cyan (16%)

Magenta (24%)

Yellow (66%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 55.600, 95.584 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 78, 55.600, 95.584 by changing the saturation by 10% instead.



 78, 55.600, 95.584

 78, 55.600, 95.584

 100, 55.600,  
95.584

 68, 55.600, 95.584

 98, 55.600, 95.584

 58, 55.600, 95.584

 48, 55.600, 95.584

 38, 55.600, 95.584

 28, 55.600, 95.584

 18, 55.600, 95.584

 8, 55.600, 95.584

 0, 55.600, 95.584

 78, 55.600, 95.584

 78, 55.600, 95.584

77, 63.436, 94.418

79, 46.896, 96.763

76, 69.833, 93.252

80, 37.711, 97.941

75, 74.121, 92.064

82, 28.291, 99.113

74, 76.136, 90.820

83, 18.778,  
100.266

74, 76.175, 90.791

84, 9.256, 101.389

86, 0.227, 283.142

87, 9.645, 283.578

89, 17.692,  
283.921

90, 16.027,  
278.682

# Harmonies

# Complementary

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



78, 55.600, 95.584



49, 62.580, 293.054

# Rectangle

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



78, 55.600, 95.584



78, 55.600, 145.584



78, 55.600, 275.584



78, 55.600, 325.584

# Sweetspot

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



78, 55.601, 95.587



97, 19.690, 100.447



54, 53.963, 15.245



51, 13.689, 100.112



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



78, 55.601, 95.587



90, 74.716, 94.075



81, 66.088, 120.016



44, 5.376, 101.428



60, 64.453, 91.003



14, 21.139, 94.156





# Inverse Universe

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



49, 62.580, 293.054



49, 88.779, 296.604



47, 75.358, 307.398



42, 5.451, 283.589



23, 89.478, 303.382

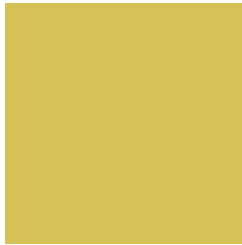


3, 24.465, 290.045



# Previews

## White Background



This preview shows how the CIELCh color 78, 55.600, 95.584 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 CIELCh color 78, 55.600, 95.584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

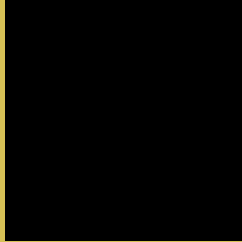
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 55.600, 95.584

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 55.600, 95.584.



This preview shows how white text looks on a background with the CIELCh color 78, 55.600, 95.584.

# 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

78, 55.600, 95.584

### Protanopia

78, 55.600, 95.584

### Deuteranopia

78, 55.468, 80.090



**Tritanopia**  
78, 17.395, 355.550



# Trichromacy



**Original Color**  
78, 55.600, 95.584

**Protanomaly**  
78, 55.600, 95.584

**Deuteranomaly**  
78, 54.830, 85.665

**Tritanomaly**  
78, 21.226, 68.492

# Monochromacy



**Original Color**  
78, 55.600, 95.584

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
76, 21.053, 99.454

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 55.600, 95.584 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(214, 193, 86)` looks like.

```
.text, #text, p{  
    color:rgb(214, 193, 86)  
}
```

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(214, 193, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 193, 86) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 55.600, 95.584 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(214, 193, 86) }
```

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

```
.border{ border-color:rgb(214, 193, 86) }
```

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

Here you see how a box with a 4 pixel rgb(214, 193, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 193, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 193, 86);  
box-shadow:4px 4px 4px 4px rgb(214, 193,  
86) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 55.600, 95.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 193, 86) }
```

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

```
.background{ background-color: rgb(214,  
193, 86) }
```

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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