

Converting Colors

CIELCh(80, 59.410, 95.974)

Have a look what the booklet for
CIELCh(80, 59.410, 95.974) contains.

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Color

CIELCh(80, 59.410, 95.974)

Conversions

Conversions Part 1

Format	Color
Hex	DCC753
RGB	220, 199, 83
RGB Percent	86%, 78%, 33%
CMY	0.1373, 0.2196, 0.6745
CMYK	0.00, 0.10, 0.62, 0.14
HSL	51°, 66%, 59%
HSV	51°, 62%, 86%
XYZ	51.4947, 56.6813, 16.4082
YIQ	192.0550, 49.7520, -31.6240

Conversions

Conversions Part 2

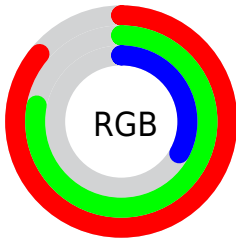
Format	Color
RYB	108, 220, 83
Decimal	14468947
CIELab	80.00, -6.18, 59.09
CIELCh	80, 59.410, 95.974
Yxy	56.6813, 0.4133, 0.4550
Android (android.graphics.Color)	4292659027 (0xFFDCC753)
YUV	192.0550, -53.7641, 24.5078
Hunter-Lab	75.2870, -9.6620, 39.7791

Details

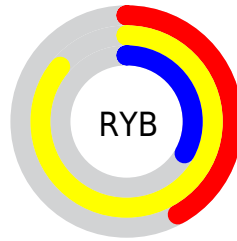
The CIELCh color **80, 59.410, 95.974** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **48, 67.884, 294.245**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 58.151, 105.727**, and **60, 59.266, 95.684** is the 20% darker color. If you saturate the color by 10%, you get **79, 67.108, 94.842**, and if you desaturate by 10%, it is **81, 50.664, 97.128**.

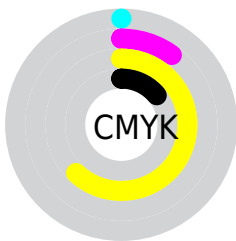
Distribution



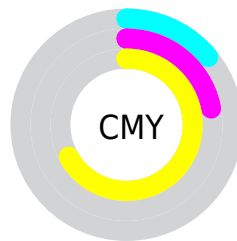
- Red (86%)
- Green (78%)
- Blue (33%)



- Red (42%)
- Yellow (86%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (62%)
- Black (14%)



- Cyan (14%)
- Magenta (22%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 59.410, 95.974 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 80, 59.410, 95.974 by changing the saturation by 10% instead.

 80, 59.410, 95.974

 80, 59.410, 95.974

 100, 59.410,
95.974

 70, 59.410, 95.974

 60, 59.410, 95.974

 50, 59.410, 95.974

 40, 59.410, 95.974

 30, 59.410, 95.974

 20, 59.410, 95.974

 10, 59.410, 95.974

 0, 59.410, 95.974

 80, 59.410, 95.974

 80, 59.410, 95.974

79, 67.108, 94.842

81, 50.664, 97.128

78, 73.132, 93.718

82, 41.318, 98.288

77, 76.826, 92.580

83, 31.660, 99.448

76, 78.171, 91.675

85, 21.862,
100.595

86, 12.028,
101.718

87, 2.214, 102.765

89, 7.544, 283.910

90, 15.180,
283.798

91, 13.604,
277.893

Harmonies

Complementary

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



80, 59.410, 95.974



48, 67.884, 294.245

Rectangle

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



80, 59.410, 95.974



80, 59.410, 145.974



80, 59.410, 275.974



80, 59.410, 325.974

Sweetspot

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



80, 59.410, 95.977



97, 21.016, 100.949



54, 57.460, 16.012



51, 14.468, 100.622



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 59.410, 95.977



90, 77.528, 94.465



82, 69.922, 119.950



46, 5.544, 102.031



61, 65.539, 91.875



16, 22.776, 94.668

Inverse Universe

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



48, 67.884, 294.245



47, 94.151, 297.925



47, 80.305, 307.608



43, 5.625, 284.177



23, 91.446, 303.699



3, 26.479, 291.381

Previews

White Background



This preview shows how the CIELCh color 80, 59.410, 95.974 looks on a white background.

Color Contrast Check

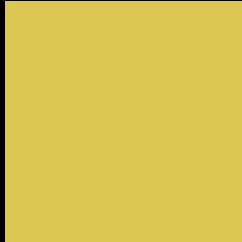
Large Text (above 18pt) WCAG AA × Fail

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 80, 59.410, 95.974 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 80, 59.410, 95.974

Background



This preview shows how black text looks on a background with the CIELCh color 80, 59.410, 95.974.



This preview shows how white text looks on a background with the CIELCh color 80, 59.410, 95.974.

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

80, 59.410, 95.974

Protanopia

80, 59.488, 95.561

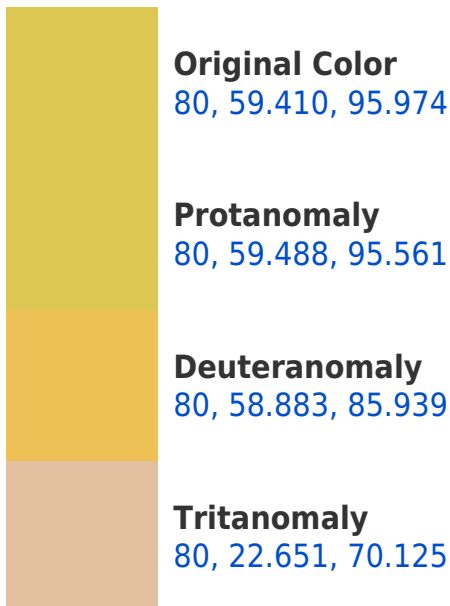
Deuteranopia

80, 59.323, 80.224

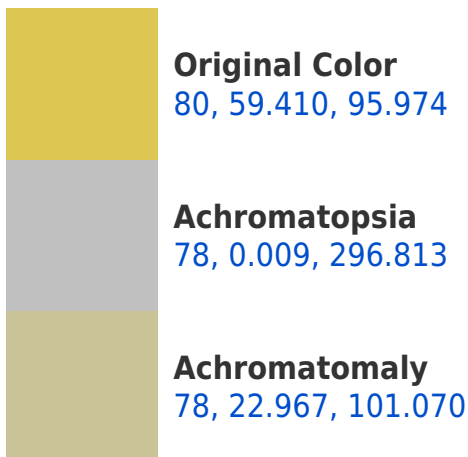


Tritanopia
80, 17.654, 356.074

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 59.410, 95.974 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(220, 199, 83)` looks like.

```
.text, #text, p{  
    color:rgb(220, 199, 83)  
}
```

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(220, 199, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 199, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 59.410, 95.974 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(220, 199, 83) }
```

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

```
.border{ border-color:rgb(220, 199, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 199, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 199, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 199, 83);  
box-shadow:4px 4px 4px 4px rgb(220, 199,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 59.410, 95.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 199, 83) }
```

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

```
.background{ background-color: rgb(220,  
199, 83) }
```

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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