

Converting Colors

CIELCh(81, 60.988, 96.538)

Have a look what the booklet for
CIELCh(81, 60.988, 96.538) contains.

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Color

CIELCh(81, 60.988, 96.538)

Conversions

Conversions Part 1

Format	Color
Hex	DECA52
RGB	222, 202, 82
RGB Percent	87%, 79%, 32%
CMY	0.1288, 0.2073, 0.6779
CMYK	0.00, 0.09, 0.63, 0.13
HSL	51°, 68%, 60%
HSV	51°, 63%, 87%
XYZ	52.8516, 58.4711, 16.5102
YIQ	194.3000, 50.4400, -33.0800

Conversions

Conversions Part 2

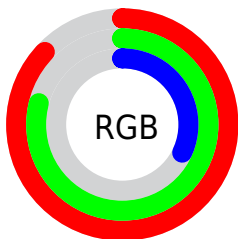
Format	Color
RYB	105, 222, 82
Decimal	14600786
CIELab	81.00, -6.94, 60.59
CIELCh	81, 60.988, 96.538
Yxy	58.4711, 0.4134, 0.4574
Android (android.graphics.Color)	4292790866 (0xFFDECA52)
YUV	194.3000, -55.3639, 24.2929
Hunter-Lab	76.4664, -10.4415, 40.7249

Details

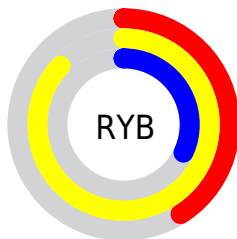
The CIELCh color **81, 60.988, 96.538** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **48, 70.263, 294.922**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.607, 105.692**, and **61, 61.042, 96.267** is the 20% darker color. If you saturate the color by 10%, you get **80, 68.648, 95.439**, and if you desaturate by 10%, it is **82, 52.203, 97.666**.

Distribution



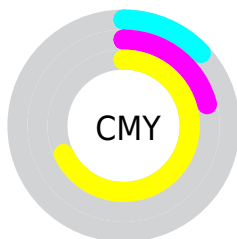
- Red (87%)
- Green (79%)
- Blue (32%)



- Red (41%)
- Yellow (87%)
- Blue (32%)



- Cyan (0%)
- Magenta (9%)
- Yellow (63%)
- Black (13%)



- Cyan (13%)
- Magenta (21%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 60.988, 96.538 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 81, 60.988, 96.538 by changing the saturation by 10% instead.

 81, 60.988, 96.538

 81, 60.988, 96.538

 100, 60.988,
96.538

 71, 60.988, 96.538

 61, 60.988, 96.538

 51, 60.988, 96.538

 41, 60.988, 96.538

 31, 60.988, 96.538

 21, 60.988, 96.538

 11, 60.988, 96.538

 1, 60.988, 96.538

 0, 60.988, 96.538

81, 60.988, 96.538

81, 60.988, 96.538

80, 68.648, 95.439

82, 52.203, 97.666

79, 74.547, 94.361

83, 42.762, 98.808

78, 78.046, 93.284

84, 32.971, 99.953

78, 79.206, 92.520

86, 23.016,
101.089

87, 13.006,
102.204

88, 3.007, 103.261

89, 6.946, 284.383

91, 14.332,
284.050

92, 12.845,
278.201

Harmonies

Complementary

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



81, 60.988, 96.538



48, 70.263, 294.922

Rectangle

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



81, 60.988, 96.538



81, 60.988, 146.538



81, 60.988, 276.538



81, 60.988, 326.538

Sweetspot

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



81, 60.988, 96.541



97, 21.237, 101.525



55, 58.810, 17.532



51, 14.618, 101.201



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 60.988, 96.541



90, 78.782, 95.053



83, 71.458, 120.625



47, 5.711, 102.594



63, 66.632, 92.699



17, 24.376, 95.157

Inverse Universe

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



48, 70.263, 294.922



46, 96.752, 298.629



47, 81.903, 308.103



44, 5.799, 284.727



23, 93.347, 303.984



3, 28.518, 292.710

Previews

White Background



This preview shows how the CIELCh color 81, 60.988, 96.538 looks on a white background.

Color Contrast Check

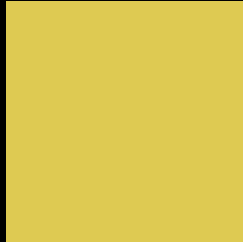
Large Text (above 18pt) WCAG AA × Fail

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 81, 60.988, 96.538 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 81, 60.988, 96.538

Background



This preview shows how black text looks on a background with the CIELCh color 81, 60.988, 96.538.



This preview shows how white text looks on a background with the CIELCh color 81, 60.988, 96.538.

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

81, 60.988, 96.538

Protanopia

81, 60.812, 95.280

Deuteranopia

81, 60.922, 79.947



Tritanopia
81, 17.604, 356.047

Trichromacy



Original Color
81, 60.988, 96.538

Protanomaly
81, 60.731, 95.684

Deuteranomaly
81, 60.262, 85.884

Tritanomaly
81, 23.006, 70.900

Monochromacy



Original Color
81, 60.988, 96.538

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 23.446, 101.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 60.988, 96.538 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(222, 202, 82)` looks like.

```
.text, #text, p{  
    color:rgb(222, 202, 82)  
}
```

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(222, 202, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 202, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 60.988, 96.538 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(222, 202, 82) }
```

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

```
.border{ border-color:rgb(222, 202, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 202, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 202, 82); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 202, 82); box-shadow:4px 4px 4px 4px rgb(222, 202, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 60.988, 96.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 202, 82) }
```

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

```
.background{ background-color: rgb(222,  
202, 82) }
```

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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