

Converting Colors

CIELCh(80, 72.671, 95.270)

Have a look what the booklet for
CIELCh(80, 72.671, 95.270) contains.

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Color

CIELCh(80, 72.621, 95.236)

Conversions

Conversions Part 1

Format	Color
Hex	DFC730
RGB	223, 199, 48
RGB Percent	87%, 78%, 19%
CMY	0.1259, 0.2200, 0.8122
CMYK	0.00, 0.11, 0.79, 0.13
HSL	52°, 73%, 53%
HSV	52°, 79%, 87%
XYZ	51.3266, 56.6813, 11.0181
YIQ	188.9620, 62.7750, -41.8730

Conversions

Conversions Part 2

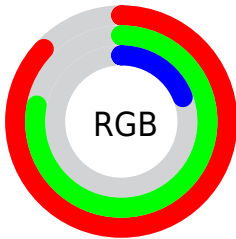
Format	Color
RYB	76, 223, 48
Decimal	14665520
CIELab	80.00, -6.63, 72.32
CIELCh	80, 72.621, 95.236
Yxy	56.6813, 0.4312, 0.4762
Android (android.graphics.Color)	4292855600 (0xFFDFC730)
YUV	188.9620, -69.4943, 29.8513
Hunter-Lab	75.2870, -10.0606, 44.0239

Details

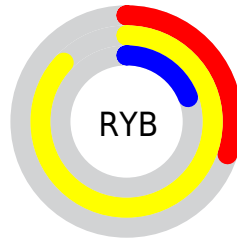
The CIELCh color **80, 72.621, 95.236** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **39, 90.432, 299.392**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 71.231, 104.732**, and **60, 64.552, 95.330** is the 20% darker color. If you saturate the color by 10%, you get **79, 77.267, 94.196**, and if you desaturate by 10%, it is **81, 65.827, 96.304**.

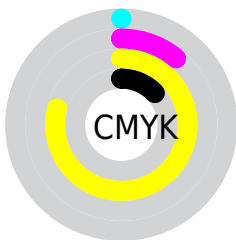
Distribution



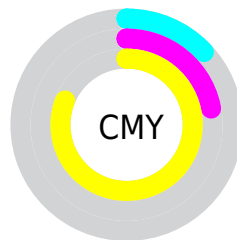
- Red (87%)
- Green (78%)
- Blue (19%)



- Red (30%)
- Yellow (87%)
- Blue (19%)



- Cyan (0%)
- Magenta (11%)
- Yellow (79%)
- Black (13%)



- Cyan (13%)
- Magenta (22%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 72.621, 95.236 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, 72.621, 95.236 by changing the saturation by 10% instead.

 80, 72.621, 95.236

 80, 72.621, 95.236

 100, 72.621,
95.236

 70, 72.621, 95.236

 60, 72.621, 95.236

 50, 72.621, 95.236

 40, 72.621, 95.236

 30, 72.621, 95.236

 20, 72.621, 95.236

 10, 72.621, 95.236

 0, 72.621, 95.236

 80, 72.621, 95.236

 80, 72.621, 95.236

79, 77.267, 94.196

81, 65.827, 96.304

78, 79.436, 93.148

82, 57.556, 97.401

78, 79.672, 92.992

83, 48.379, 98.522

84, 38.689, 99.657

85, 28.734,
100.792

86, 18.665,
101.913

88, 8.570, 103.007

89, 1.500, 284.185

90, 11.515,
285.142

Harmonies

Complementary

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



80, 72.621, 95.236



39, 90.432, 299.392

Rectangle

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



80, 72.621, 95.236



80, 72.621, 145.236



80, 72.621, 275.236



80, 72.621, 325.236

Sweetspot

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



80, 72.621, 95.239



97, 26.984, 101.280



50, 72.504, 23.289



51, 18.532, 100.876



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, 72.621, 95.239



89, 87.283, 93.549



82, 84.416, 120.681



47, 5.746, 102.907



63, 66.856, 93.165



17, 24.511, 95.571

Inverse Universe

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



39, 90.432, 299.392



37, 120.176, 303.434



39, 100.774, 309.029



44, 5.836, 285.030



23, 93.799, 304.124



3, 28.643, 292.851

Previews

White Background



This preview shows how the CIELCh color 80, 72.621, 95.236 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, 72.621, 95.236 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, 72.621, 95.236

Background



This preview shows how black text looks on a background with the CIELCh color 80, 72.621, 95.236.



This preview shows how white text looks on a background with the CIELCh color 80, 72.621, 95.236.

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, 72.621, 95.236

Protanopia

80, 72.621, 95.236

Deuteranopia

80, 72.222, 81.776



Tritanopia
80, 19.951, 357.684

Trichromacy



Original Color
80, 72.621, 95.236

Protanomaly
80, 72.621, 95.236

Deuteranomaly
80, 71.975, 86.529

Tritanomaly
79, 29.266, 73.766

Monochromacy



Original Color
80, 72.621, 95.236

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 29.303, 101.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 72.621, 95.236 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(223, 199, 48)` looks like.

```
.text, #text, p{  
    color:rgb(223, 199, 48)  
}
```

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(223, 199, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 199, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 72.621, 95.236 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(223, 199, 48) }
```

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

```
.border{ border-color:rgb(223, 199, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 199, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 199, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 199, 48);  
box-shadow:4px 4px 4px 4px rgb(223, 199,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 72.621, 95.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 199, 48) }
```

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

```
.background{ background-color: rgb(223,  
199, 48) }
```

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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