

Converting Colors

CIELCh(80, 54.201, 87.565)

Have a look what the booklet for
CIELCh(80, 54.201, 87.565) contains.

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Color

CIELCh(80, 53.953, 87.638)

Conversions

Conversions Part 1

Format	Color
Hex	E8C25F
RGB	232, 194, 95
RGB Percent	91%, 76%, 37%
CMY	0.0894, 0.2385, 0.6268
CMYK	0.00, 0.16, 0.59, 0.09
HSL	43°, 75%, 64%
HSV	43°, 59%, 91%
XYZ	54.7470, 56.6813, 18.9226
YIQ	194.0760, 54.4270, -22.7330

Conversions

Conversions Part 2

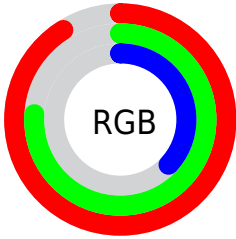
Format	Color
RYB	148, 232, 95
Decimal	15254111
CIELab	80.00, 2.22, 53.91
CIElCh	80, 53.953, 87.638
Yxy	56.6813, 0.4200, 0.4348
Android (android.graphics.Color)	4293444191 (0xFFE8C25F)
YUV	194.0760, -48.8445, 33.2593
Hunter-Lab	75.2870, -1.9509, 37.7990

Details

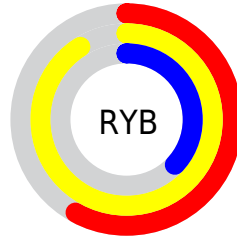
The CIELCh color **80, 53.953, 87.638** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **57, 56.591, 286.691**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 50.885, 103.978**, and **60, 54.163, 87.992** is the 20% darker color. If you saturate the color by 10%, you get **78, 62.321, 86.181**, and if you desaturate by 10%, it is **82, 44.972, 89.039**.

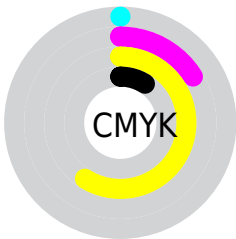
Distribution



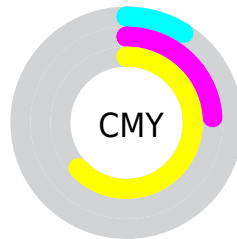
- Red (91%)
- Green (76%)
- Blue (37%)



- Red (58%)
- Yellow (91%)
- Blue (37%)



- Cyan (0%)
- Magenta (16%)
- Yellow (59%)
- Black (9%)



- Cyan (9%)
- Magenta (24%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 53.953, 87.638 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, 53.953, 87.638 by changing the saturation by 10% instead.

80, 53.953, 87.638

80, 53.953, 87.638

100, 53.953,
87.638

70, 53.953, 87.638

60, 53.953, 87.638

50, 53.953, 87.638

40, 53.953, 87.638

30, 53.953, 87.638

20, 53.953, 87.638

10, 53.953, 87.638

0, 53.953, 87.638

80, 53.953, 87.638

80, 53.953, 87.638

78, 62.321, 86.181

82, 44.972, 89.039

76, 69.486, 84.609

84, 35.736, 90.396

75, 74.633, 82.828

86, 26.448, 91.716

73, 77.235, 80.727

88, 17.216, 92.998

73, 77.446, 80.515

90, 8.095, 94.230

92, 0.893, 275.715

94, 8.401, 274.111

96, 6.563, 245.864

98, 6.942, 211.189

Harmonies

Complementary

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



80, 53.953, 87.638



57, 56.591, 286.691

Rectangle

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



80, 53.953, 87.638



80, 53.953, 137.638



80, 53.953, 267.638



80, 53.953, 317.638

Sweetspot

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



80, 53.953, 87.641



96, 17.576, 93.114



59, 56.747, 6.115



50, 12.239, 92.744



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, 53.953, 87.641



85, 68.853, 85.824



88, 68.197, 114.959



48, 5.148, 94.174



58, 64.349, 80.930



17, 24.207, 83.821

Inverse Universe

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



57, 56.591, 286.691



55, 74.782, 290.471



50, 79.511, 304.332



46, 5.176, 276.572



28, 82.099, 299.379



5, 28.666, 291.293

Previews

White Background



This preview shows how the CIELCh color 80, 53.953, 87.638 looks on a white background.

Color Contrast Check

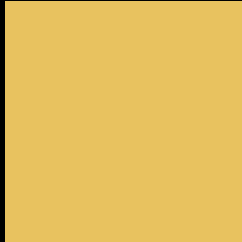
Large Text (above 18pt) WCAG AA × Fail

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, 53.953, 87.638 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, 53.953, 87.638

Background



This preview shows how black text looks on a background with the CIELCh color 80, 53.953, 87.638.



This preview shows how white text looks on a background with the CIELCh color 80, 53.953, 87.638.

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, 53.953, 87.638

Protanopia

80, 53.176, 95.607

Deuteranopia

80, 54.807, 79.178



Tritanopia
80, 23.045, 2.720

Trichromacy



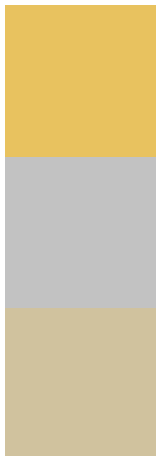
Original Color
80, 53.953, 87.638

Protanomaly
80, 53.348, 92.775

Deuteranomaly
80, 54.165, 82.385

Tritanomaly
80, 25.366, 54.669

Monochromacy



Original Color
80, 53.953, 87.638

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 19.928, 92.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 53.953, 87.638 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(232, 194, 95)` looks like.

```
.text, #text, p{  
    color:rgb(232, 194, 95)  
}
```

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(232, 194, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 194, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 53.953, 87.638 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(232, 194, 95) }
```

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

```
.border{ border-color:rgb(232, 194, 95) }
```

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

Here you see how a box with a 4 pixel rgb(232, 194, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 194, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 194, 95);  
box-shadow:4px 4px 4px 4px rgb(232, 194,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 53.953, 87.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 194, 95) }
```

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

```
.background{ background-color: rgb(232,  
194, 95) }
```

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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