

Converting Colors

CIELCh(78, 52.381, 87.090)

Have a look what the booklet for
CIELCh(78, 52.381, 87.090) contains.

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Color

CIELCh(78, 52.354, 87.030)

Conversions

Conversions Part 1

Format	Color
Hex	E3BC5D
RGB	227, 188, 93
RGB Percent	89%, 74%, 36%
CMY	0.1118, 0.2609, 0.6336
CMYK	0.00, 0.17, 0.59, 0.11
HSL	43°, 70%, 63%
HSV	43°, 59%, 89%
XYZ	51.5991, 53.2120, 18.0095
YIQ	188.8310, 53.7390, -21.2770

Conversions

Conversions Part 2

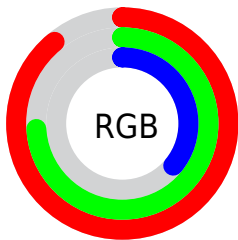
Format	Color
RYB	148, 227, 93
Decimal	14924893
CIELab	78.00, 2.71, 52.28
CIELCh	78, 52.354, 87.030
Yxy	53.2120, 0.4201, 0.4332
Android (android.graphics.Color)	4293114973 (0xFFE3BC5D)
YUV	188.8310, -47.2447, 33.4742
Hunter-Lab	72.9466, -1.3938, 36.4247

Details

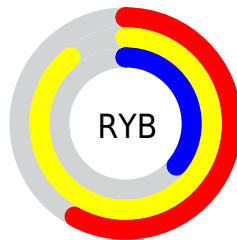
The CIELCh color **78, 52.354, 87.030** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **56, 54.534, 286.051**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 49.333, 101.147**, and **58, 52.547, 86.334** is the 20% darker color. If you saturate the color by 10%, you get **76, 60.592, 85.562**, and if you desaturate by 10%, it is **80, 43.555, 88.440**.

Distribution



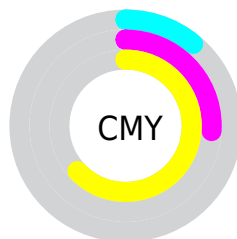
- Red (89%)
- Green (74%)
- Blue (36%)



- Red (58%)
- Yellow (89%)
- Blue (36%)



- Cyan (0%)
- Magenta (17%)
- Yellow (59%)
- Black (11%)



- Cyan (11%)
- Magenta (26%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 52.354, 87.030 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, 52.354, 87.030 by changing the saturation by 10% instead.

78, 52.354, 87.030

78, 52.354, 87.030

100, 52.354,
87.030

68, 52.354, 87.030

98, 52.354, 87.030

58, 52.354, 87.030

48, 52.354, 87.030

38, 52.354, 87.030

28, 52.354, 87.030

18, 52.354, 87.030

8, 52.354, 87.030

0, 52.354, 87.030

78, 52.354, 87.030

78, 52.354, 87.030

76, 60.592, 85.562

80, 43.555, 88.440

74, 67.703, 83.974

82, 34.534, 89.803

73, 72.893, 82.169

84, 25.482, 91.129

71, 75.602, 80.028

86, 16.498, 92.415

71, 75.881, 79.754

88, 7.631, 93.650

90, 1.097, 275.095

93, 9.681, 276.067

94, 8.816, 258.807

96, 7.987, 231.204

Harmonies

Complementary

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



78, 52.354, 87.030



56, 54.534, 286.051

Rectangle

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



78, 52.354, 87.030



78, 52.354, 137.030



78, 52.354, 267.030



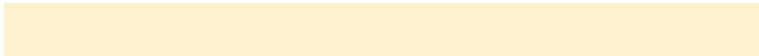
78, 52.354, 317.030

Sweetspot

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



78, 52.354, 87.033



96, 17.431, 92.495



58, 55.500, 4.751



50, 12.140, 92.123



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, 52.354, 87.033



84, 67.712, 85.300



86, 66.424, 114.217



46, 4.921, 93.567



56, 62.890, 80.200



15, 21.512, 83.253

Inverse Universe

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



56, 54.534, 286.051



56, 72.714, 289.634



49, 77.569, 303.876



44, 4.943, 275.968



28, 79.258, 298.917



5, 25.319, 288.566

Previews

White Background



This preview shows how the CIELCh color 78, 52.354, 87.030 looks on a white background.

Color Contrast Check

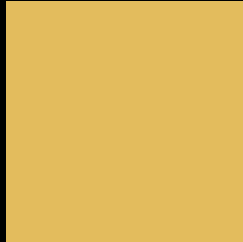
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 78, 52.354, 87.030 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, 52.354, 87.030

Background



This preview shows how black text looks on a background with the CIELCh color 78, 52.354, 87.030.



This preview shows how white text looks on a background with the CIELCh color 78, 52.354, 87.030.

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, 52.512, 86.583

Protanopia

78, 51.503, 95.286

Deuteranopia

78, 52.834, 79.148



Tritanopia
78, 22.670, 3.722

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 52.354, 87.030 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(227, 188, 93)` looks like.

```
.text, #text, p{  
    color:rgb(227, 188, 93)  
}
```

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(227, 188, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 188, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 52.354, 87.030 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(227, 188, 93) }
```

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

```
.border{ border-color:rgb(227, 188, 93) }
```

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

Here you see how a box with a 4 pixel rgb(227, 188, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 188, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 188, 93);  
box-shadow:4px 4px 4px 4px rgb(227, 188,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 52.354, 87.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 188, 93) }
```

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

```
.background{ background-color: rgb(227,  
188, 93) }
```

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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