

Converting Colors

CIELCh(86, 79.052, 94.987)

Have a look what the booklet for
CIELCh(86, 79.052, 94.987) contains.

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Color

CIELCh(86, 79.172, 95.240)

Conversions

Conversions Part 1

Format	Color
Hex	F2D82E
RGB	242, 216, 46
RGB Percent	95%, 85%, 18%
CMY	0.0522, 0.1540, 0.8210
CMYK	0.00, 0.11, 0.81, 0.05
HSL	52°, 88%, 56%
HSV	52°, 81%, 95%
XYZ	61.4836, 67.9871, 12.4299
YIQ	204.3940, 70.0660, -47.3580

Conversions

Conversions Part 2

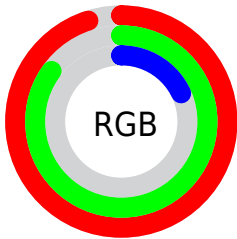
Format	Color
RYB	76, 242, 46
Decimal	15915054
CIELab	86.00, -7.23, 78.84
CIELCh	86, 79.172, 95.240
Yxy	67.9871, 0.4333, 0.4791
Android (android.graphics.Color)	4294105134 (0xFFFF2D82E)
YUV	204.3940, -78.0882, 32.9805
Hunter-Lab	82.4543, -11.1931, 48.7801

Details

The CIELCh color **86, 79.172, 95.240** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **40, 100.524, 300.364**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 70.820, 104.763**, and **66, 69.612, 95.631** is the 20% darker color. If you saturate the color by 10%, you get **85, 83.323, 94.224**, and if you desaturate by 10%, it is **87, 72.521, 96.285**.

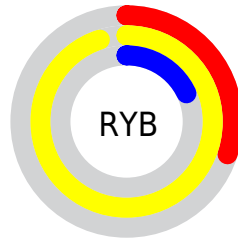
Distribution



Red (95%)

Green (85%)

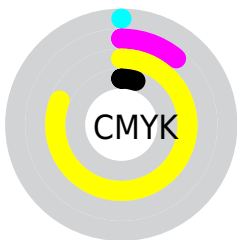
Blue (18%)



Red (30%)

Yellow (95%)

Blue (18%)

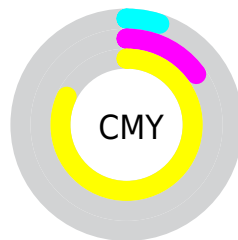


Cyan (0%)

Magenta (11%)

Yellow (81%)

Black (5%)



Cyan (5%)

Magenta (15%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 79.172, 95.240 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 86, 79.172, 95.240 by changing the saturation by 10% instead.

 86, 79.172, 95.240

 86, 79.172, 95.240

 100, 79.172,
95.240

 76, 79.172, 95.240

 66, 79.172, 95.240

 56, 79.172, 95.240

 46, 79.172, 95.240

 36, 79.172, 95.240

 26, 79.172, 95.240

 16, 79.172, 95.240

 6, 79.172, 95.240

 0, 79.172, 95.240

86, 79.172, 95.240

86, 79.172, 95.240

85, 83.323, 94.224

87, 72.521, 96.285

84, 84.893, 93.314

88, 64.068, 97.364

89, 54.474, 98.474

90, 44.218, 99.603

91, 33.609,
100.737

93, 22.835,
101.863

94, 12.007,
102.967

95, 1.191, 103.942

96, 5.437, 280.217

Harmonies

Complementary

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



86, 79.172, 95.240



40, 100.524, 300.364

Rectangle

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



86, 79.172, 95.240



86, 79.172, 145.240



86, 79.172, 275.240



86, 79.172, 325.240

Sweetspot

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



86, 79.172, 95.242



97, 27.107, 101.532



53, 80.220, 25.856



51, 18.614, 101.130



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 79.172, 95.242



89, 87.980, 93.592



88, 92.200, 121.498



50, 6.095, 103.145



66, 69.171, 93.497



20, 28.501, 95.284

Inverse Universe

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



40, 100.524, 300.364



36, 123.636, 304.155



41, 110.119, 309.474



46, 6.193, 285.274



24, 97.373, 304.291



4, 34.343, 296.288

Previews

White Background



This preview shows how the CIELCh color 86, 79.172, 95.240 looks on a white background.

Color Contrast Check

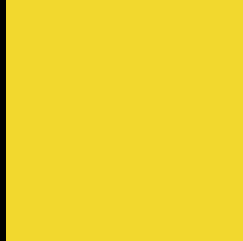
Large Text (above 18pt) WCAG AA × Fail

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 86, 79.172, 95.240 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 86, 79.172, 95.240

Background



This preview shows how black text looks on a background with the CIELCh color 86, 79.172, 95.240.



This preview shows how white text looks on a background with the CIELCh color 86, 79.172, 95.240.

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

86, 79.172, 95.240

Protanopia

86, 79.172, 95.240

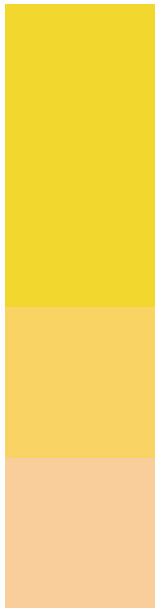
Deuteranopia

86, 44.408, 80.485



Tritanopia
86, 21.208, 357.981

Trichromacy



Original Color
86, 79.172, 95.240

Protanomaly
86, 79.172, 95.240

Deuteranomaly
86, 58.438, 88.721

Tritanomaly
85, 32.399, 74.340

Monochromacy



Original Color
86, 79.172, 95.240

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 32.595, 100.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 79.172, 95.240 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(242, 216, 46)` looks like.

```
.text, #text, p{  
    color:rgb(242, 216, 46)  
}
```

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(242, 216, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 216, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 79.172, 95.240 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(242, 216, 46) }
```

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

```
.border{ border-color:rgb(242, 216, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 216, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 216, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 216, 46);  
box-shadow:4px 4px 4px 4px rgb(242, 216,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 79.172, 95.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 216, 46) }
```

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

```
.background{ background-color: rgb(242,  
216, 46) }
```

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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