

Converting Colors

CIELCh(90, 67.682, 93.754)

Have a look what the booklet for
CIELCh(90, 67.682, 93.754) contains.

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Color

CIELCh(90, 67.576, 94.137)

Conversions

Conversions Part 1

Format	Color
Hex	FFE25B
RGB	255, 226, 91
RGB Percent	100%, 89%, 36%
CMY	0.0006, 0.1142, 0.6436
CMYK	0.00, 0.11, 0.64, 0.00
HSL	49°, 100%, 68%
HSV	49°, 64%, 100%
XYZ	70.2273, 76.3034, 20.8940
YIQ	219.2810, 60.6190, -35.8370

Conversions

Conversions Part 2

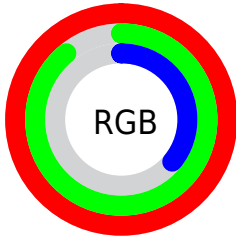
Format	Color
R _Y B	126, 255, 91
Decimal	16769627
CIE Lab	90.00, -4.88, 67.40
CIE LCh	90, 67.576, 94.137
Yxy	76.3034, 0.4195, 0.4557
Android (android.graphics.Color)	4294959707 (0xFFFFE25B)
YUV	219.2810, -63.2425, 31.3256
Hunter-Lab	87.3518, -9.3590, 46.9645

Details

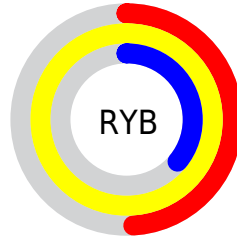
The CIELCh color **90, 67.576, 94.137** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **55, 77.027, 293.846**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 53.989, 106.046**, and **70, 67.627, 94.075** is the 20% darker color. If you saturate the color by 10%, you get **89, 75.820, 92.920**, and if you desaturate by 10%, it is **91, 58.036, 95.356**.

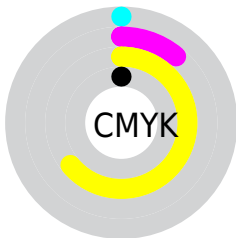
Distribution



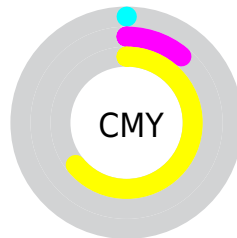
- Red (100%)
- Green (89%)
- Blue (36%)



- Red (49%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (11%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 67.576, 94.137 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 90, 67.576, 94.137 by changing the saturation by 10% instead.

 90, 67.576, 94.137

 90, 67.576, 94.137

 100, 67.576,
94.137

 80, 67.576, 94.137

 70, 67.576, 94.137

 60, 67.576, 94.137

 50, 67.576, 94.137

 40, 67.576, 94.137

 30, 67.576, 94.137

 20, 67.576, 94.137

 10, 67.576, 94.137

 0, 67.576, 94.137

90, 67.576, 94.137

90, 67.576, 94.137

89, 75.820, 92.920

91, 58.036, 95.356

87, 82.002, 91.675

93, 47.763, 96.570

86, 85.387, 90.358

94, 37.115, 97.777

86, 86.213, 89.570

96, 26.309, 98.969

98, 15.468,
100.134

99, 4.662, 101.246

100, 0.052,
212.317

Harmonies

Complementary

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



90, 67.576, 94.137



55, 77.027, 293.846

Rectangle

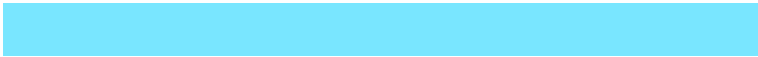
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 67.576, 94.137



90, 67.576, 144.137



90, 67.576, 274.137



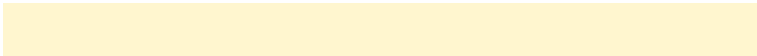
90, 67.576, 324.137

Sweetspot

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



90, 67.576, 94.140



97, 20.525, 99.595



62, 66.628, 15.538



51, 14.134, 99.261



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 67.576, 94.140



88, 77.733, 92.593



94, 80.522, 119.194



52, 6.123, 100.683



66, 69.577, 89.830



22, 30.986, 91.675

Inverse Universe

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



55, 77.027, 293.846



47, 94.066, 297.506



52, 93.555, 307.393



49, 6.204, 282.910



26, 96.744, 303.215



6, 38.480, 298.253

Previews

White Background



This preview shows how the CIELCh color 90, 67.576, 94.137 looks on a white background.

Color Contrast Check

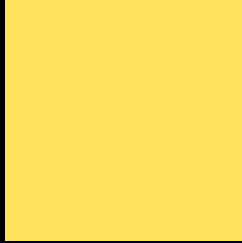
Large Text (above 18pt) WCAG AA × Fail

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 90, 67.576, 94.137 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 90, 67.576, 94.137

Background



This preview shows how black text looks on a background with the CIELCh color 90, 67.576, 94.137.



This preview shows how white text looks on a background with the CIELCh color 90, 67.576, 94.137.

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

90, 67.576, 94.137

Protanopia

90, 67.636, 95.606

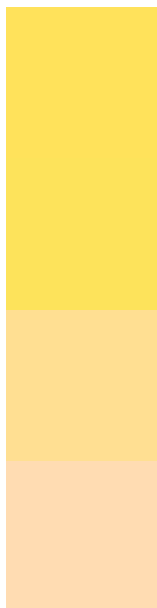
Deuteranopia

90, 26.545, 77.999



Tritanopia
90, 15.476, 356.922

Trichromacy



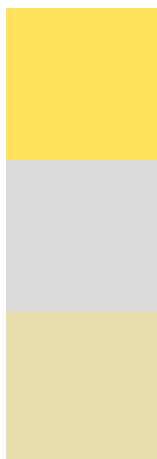
Original Color
90, 67.576, 94.137

Protanomaly
90, 67.714, 95.250

Deuteranomaly
90, 41.747, 88.631

Tritanomaly
90, 25.882, 76.234

Monochromacy



Original Color
90, 67.576, 94.137

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 25.737, 98.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 67.576, 94.137 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(255, 226, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 91)  
}
```

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(255, 226, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 67.576, 94.137 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(255, 226, 91) }
```

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

```
.border{ border-color:rgb(255, 226, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 67.576, 94.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 91) }
```

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

```
.background{ background-color: rgb(255,  
226, 91) }
```

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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