

Converting Colors

CIELCh(90, 77.547, 95.814)

Have a look what the booklet for
CIELCh(90, 77.547, 95.814) contains.

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Color

CIELCh(90, 77.332, 95.544)

Conversions

Conversions Part 1

Format	Color
Hex	FDE341
RGB	253, 227, 65
RGB Percent	99%, 89%, 25%
CMY	0.0073, 0.1093, 0.7445
CMYK	0.00, 0.10, 0.74, 0.01
HSL	52°, 98%, 62%
HSV	52°, 74%, 99%
XYZ	69.0242, 76.3034, 16.1133
YIQ	216.3060, 67.4980, -44.8700

Conversions

Conversions Part 2

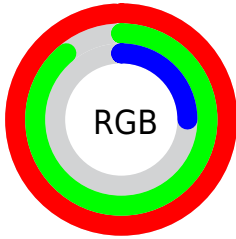
Format	Color
R _Y B	95, 253, 65
Decimal	16638785
CIE Lab	90.00, -7.47, 76.97
CIE LCh	90, 77.332, 95.544
Yxy	76.3034, 0.4276, 0.4726
Android (android.graphics.Color)	4294828865 (0xFFFDE341)
YUV	216.3060, -74.5939, 32.1806
Hunter-Lab	87.3518, -11.8173, 50.2094

Details

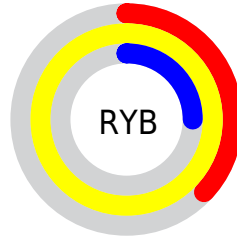
The CIELCh color **90, 77.332, 95.544** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **47, 94.304, 298.319**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 63.989, 105.281**, and **70, 72.754, 95.660** is the 20% darker color. If you saturate the color by 10%, you get **89, 83.446, 94.484**, and if you desaturate by 10%, it is **91, 69.099, 96.636**.

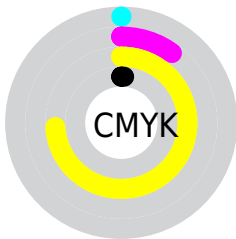
Distribution



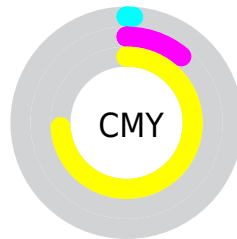
- Red (99%)
- Green (89%)
- Blue (25%)



- Red (37%)
- Yellow (99%)
- Blue (25%)



- Cyan (0%)
- Magenta (10%)
- Yellow (74%)
- Black (1%)



- Cyan (1%)
- Magenta (11%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 77.332, 95.544 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, 77.332, 95.544 by changing the saturation by 10% instead.

 90, 77.332, 95.544

 90, 77.332, 95.544

 100, 77.332,
95.544

 80, 77.332, 95.544

 70, 77.332, 95.544

 60, 77.332, 95.544

 50, 77.332, 95.544

 40, 77.332, 95.544

 30, 77.332, 95.544

 20, 77.332, 95.544

 10, 77.332, 95.544

 0, 77.332, 95.544

■ 90, 77.332, 95.544

■ 90, 77.332, 95.544

■ 89, 83.446, 94.484

■ 91, 69.099, 96.636

■ 88, 86.776, 93.425

■ 92, 59.484, 97.755

■ 88, 87.597, 92.807

■ 93, 49.052, 98.893

■ 95, 38.176,
100.040

■ 96, 27.084,
101.180

■ 97, 15.912,
102.302

■ 99, 4.739, 103.380

100, 0.645,
200.392

Harmonies

Complementary

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



90, 77.332, 95.544



47, 94.304, 298.319

Rectangle

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



90, 77.332, 95.544



90, 77.332, 145.544



90, 77.332, 275.544



90, 77.332, 325.544

Sweetspot

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



90, 77.332, 95.547



97, 24.705, 101.436



58, 76.455, 21.731



51, 16.598, 101.129



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, 77.332, 95.547



89, 85.882, 93.981



92, 89.992, 120.592



53, 6.374, 102.824



68, 71.043, 92.996



23, 31.891, 94.463

Inverse Universe

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



47, 94.304, 298.319



39, 114.383, 302.250



47, 106.423, 308.859



49, 6.474, 284.979



25, 100.103, 304.213



5, 39.725, 299.150

Previews

White Background



This preview shows how the CIELCh color 90, 77.332, 95.544 looks on a white background.

Color Contrast Check

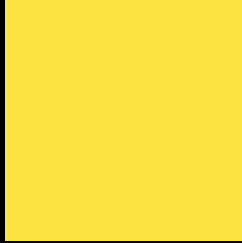
Large Text (above 18pt) WCAG AA × Fail

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, 77.332, 95.544 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, 77.332, 95.544

Background



This preview shows how black text looks on a background with the CIELCh color 90, 77.332, 95.544.



This preview shows how white text looks on a background with the CIELCh color 90, 77.332, 95.544.

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, 77.332, 95.544

Protanopia

90, 77.405, 95.230

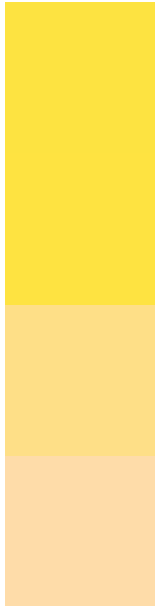
Deuteranopia

90, 27.459, 78.933



Tritanopia
90, 15.476, 356.922

Trichromacy



Original Color
90, 77.332, 95.544

Protanomaly
90, 77.405, 95.230

Deuteranomaly
90, 46.858, 90.562

Tritanomaly
89, 29.801, 80.971

Monochromacy



Original Color
90, 77.332, 95.544

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 30.766, 100.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 77.332, 95.544 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(253, 227, 65)` looks like.

```
.text, #text, p{  
    color:rgb(253, 227, 65)  
}
```

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(253, 227, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 227, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 77.332, 95.544 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(253, 227, 65) }
```

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

```
.border{ border-color:rgb(253, 227, 65) }
```

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

Here you see how a box with a 4 pixel rgb(253, 227, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 227, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 227, 65);  
box-shadow:4px 4px 4px 4px rgb(253, 227,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 77.332, 95.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 227, 65) }
```

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

```
.background{ background-color: rgb(253,  
227, 65) }
```

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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