

Converting Colors

CIELCh(90, 69.060, 95.168)

Have a look what the booklet for
CIELCh(90, 69.060, 95.168) contains.

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Color

CIELCh(90, 69.321, 95.318)

Conversions

Conversions Part 1

Format	Color
Hex	FDE357
RGB	253, 227, 87
RGB Percent	99%, 89%, 34%
CMY	0.0090, 0.1108, 0.6598
CMYK	0.00, 0.10, 0.66, 0.01
HSL	51°, 97%, 67%
HSV	51°, 66%, 99%
XYZ	69.5074, 76.3034, 20.0246
YIQ	218.8140, 60.4360, -38.0280

Conversions

Conversions Part 2

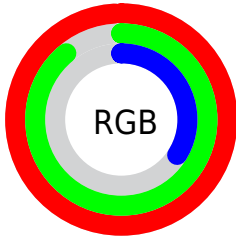
Format	Color
RYB	118, 253, 87
Decimal	16638807
CIELab	90.00, -6.42, 69.02
CIELCh	90, 69.321, 95.318
Yxy	76.3034, 0.4191, 0.4601
Android (android.graphics.Color)	4294828887 (0xFFFDE357)
YUV	218.8140, -64.9843, 29.9811
Hunter-Lab	87.3518, -10.8300, 47.5546

Details

The CIELCh color **90, 69.321, 95.318** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **53, 80.340, 295.151**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 55.386, 105.939**, and **70, 69.355, 95.283** is the 20% darker color. If you saturate the color by 10%, you get **89, 77.285, 94.171**, and if you desaturate by 10%, it is **91, 59.927, 96.483**.

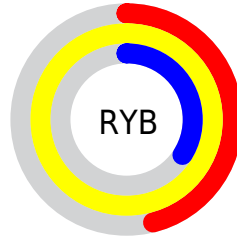
Distribution



Red (99%)

Green (89%)

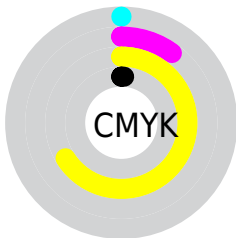
Blue (34%)



Red (46%)

Yellow (99%)

Blue (34%)

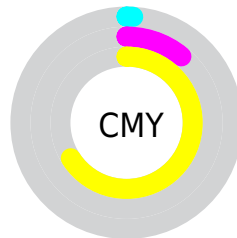


Cyan (0%)

Magenta (10%)

Yellow (66%)

Black (1%)



Cyan (1%)

Magenta (11%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 69.321, 95.318 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, 69.321, 95.318 by changing the saturation by 10% instead.

 90, 69.321, 95.318

 90, 69.321, 95.318

 100, 69.321,
95.318

 80, 69.321, 95.318

 70, 69.321, 95.318

 60, 69.321, 95.318

 50, 69.321, 95.318

 40, 69.321, 95.318

 30, 69.321, 95.318

 20, 69.321, 95.318

 10, 69.321, 95.318

 0, 69.321, 95.318

■ 90, 69.321, 95.318

■ 90, 69.321, 95.318

■ 89, 77.285, 94.171

■ 91, 59.927, 96.483

■ 88, 83.059, 93.021

■ 93, 49.694, 97.657

■ 87, 85.989, 91.833

■ 94, 39.011, 98.833

■ 86, 86.586, 91.304

■ 95, 28.115, 99.999

■ 97, 17.148,
101.145

■ 98, 6.188, 102.250

■ 100, 0.665,
226.888

■ 100, 0.796,
200.187

Harmonies

Complementary

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



90, 69.321, 95.318



53, 80.340, 295.151

Rectangle

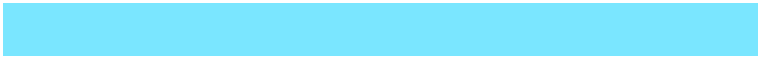
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 69.321, 95.318



90, 69.321, 145.318



90, 69.321, 275.318



90, 69.321, 325.318

Sweetspot

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



90, 69.321, 95.321



97, 22.053, 100.652



61, 67.721, 17.259



51, 15.050, 100.329



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, 69.321, 95.321



89, 80.055, 93.786



93, 81.623, 119.880



52, 6.254, 101.835



67, 70.320, 91.522



23, 31.456, 93.170

Inverse Universe

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



53, 80.340, 295.151



45, 99.224, 298.929



51, 94.773, 307.911



49, 6.346, 284.023



26, 98.584, 303.769



5, 39.147, 298.743

Previews

White Background



This preview shows how the CIELCh color 90, 69.321, 95.318 looks on a white background.

Color Contrast Check

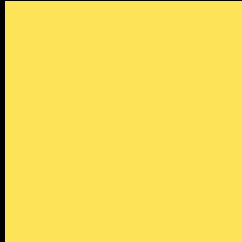
Large Text (above 18pt) WCAG AA × Fail

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, 69.321, 95.318 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, 69.321, 95.318

Background



This preview shows how black text looks on a background with the CIELCh color 90, 69.321, 95.318.



This preview shows how white text looks on a background with the CIELCh color 90, 69.321, 95.318.

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, 69.321, 95.318

Protanopia

90, 69.321, 95.318

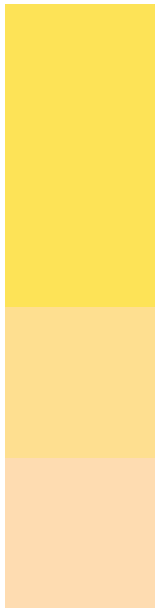
Deuteranopia

90, 26.545, 77.999



Tritanopia
90, 15.476, 356.922

Trichromacy



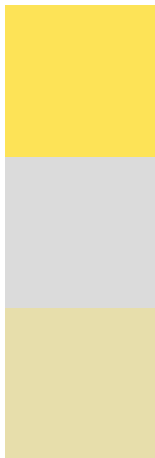
Original Color
90, 69.321, 95.318

Protanomaly
90, 69.321, 95.318

Deuteranomaly
90, 42.567, 89.455

Tritanomaly
90, 26.116, 77.490

Monochromacy



Original Color
90, 69.321, 95.318

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 26.611, 100.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 69.321, 95.318 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(253, 227, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 227, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 69.321, 95.318 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, 87) }
```

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

```
.border{ border-color:rgb(253, 227, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 227, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 227, 87);  
box-shadow:4px 4px 4px 4px rgb(253, 227,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 69.321, 95.318 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, 87) }
```

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

```
.background{ background-color: rgb(253,  
227, 87) }
```

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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