

Converting Colors

CIELCh(100, 75.928, 60.359)

Have a look what the booklet for
CIELCh(100, 75.928, 60.359)
contains.

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Color

CIELCh(90, 51.527, 91.521)

Conversions

Conversions Part 1

Format	Color
Hex	FFE07E
RGB	255, 224, 126
RGB Percent	100%, 88%, 49%
CMY	0.0000, 0.1204, 0.5048
CMYK	0.00, 0.12, 0.50, 0.00
HSL	46°, 100%, 75%
HSV	46°, 50%, 100%
XYZ	71.8747, 76.3034, 30.7727
YIQ	222.0970, 49.9340, -23.9060

Conversions

Conversions Part 2

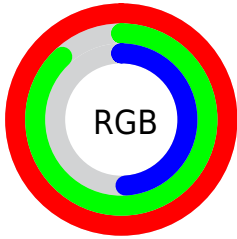
Format	Color
R _Y B	167, 255, 126
Decimal	16769150
CIE Lab	90.00, -1.37, 51.51
CIE LCh	90, 51.527, 91.521
Yxy	76.3034, 0.4016, 0.4264
Android (android.graphics.Color)	4294959230 (0xFFFFE07E)
YUV	222.0970, -47.3758, 28.8559
Hunter-Lab	87.3518, -5.9925, 40.2593

Details

The CIELCh color **90, 51.527, 91.521** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **66, 54.409, 286.850**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 37.646, 107.307**, and **70, 51.427, 91.451** is the 20% darker color. If you saturate the color by 10%, you get **88, 61.182, 90.320**, and if you desaturate by 10%, it is **92, 41.375, 92.981**.

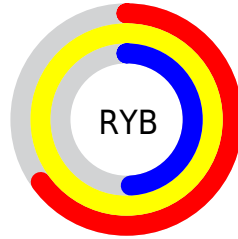
Distribution



Red (100%)

Green (88%)

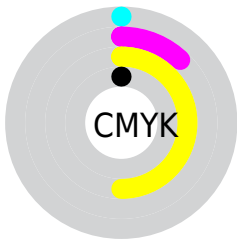
Blue (49%)



Red (65%)

Yellow (100%)

Blue (49%)

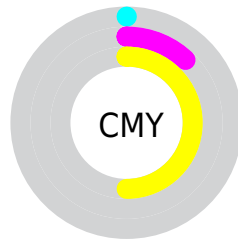


Cyan (0%)

Magenta (12%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 51.527, 91.521 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, 51.527, 91.521 by changing the saturation by 10% instead.

 90, 51.527, 91.521

 90, 51.527, 91.521

 100, 51.527,
91.521

 80, 51.527, 91.521

 70, 51.527, 91.521

 60, 51.527, 91.521

 50, 51.527, 91.521

 40, 51.527, 91.521

 30, 51.527, 91.521

 20, 51.527, 91.521

 10, 51.527, 91.521

 0, 51.527, 91.521

90, 51.527, 91.521

90, 51.527, 91.521

88, 61.182, 90.320

92, 41.375, 92.981

86, 69.994, 88.930

94, 31.098, 94.268

85, 77.229, 87.454

96, 20.808, 95.523

83, 82.017, 85.815

98, 10.586, 96.735

82, 84.019, 84.032

100, 0.470, 97.478

100, 0.012,
296.813

Harmonies

Complementary

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



90, 51.527, 91.521



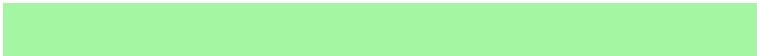
66, 54.409, 286.850

Rectangle

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



90, 51.527, 91.521



90, 51.527, 141.521



90, 51.527, 271.521



90, 51.527, 321.521

Sweetspot

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



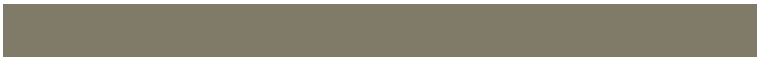
90, 51.491, 91.665



97, 15.197, 96.193



69, 52.389, 6.640



51, 10.380, 95.937



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, 51.491, 91.665



88, 61.668, 90.249



95, 64.373, 116.811



52, 5.740, 96.850



63, 67.768, 84.408



21, 29.672, 86.782

Inverse Universe

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



66, 54.409, 286.850



60, 66.859, 289.676



61, 72.672, 304.266



50, 5.790, 279.196



29, 90.347, 301.135



6, 36.140, 296.330

Previews

White Background



This preview shows how the CIELCh color 90, 51.527, 91.521 looks on a white background.

Color Contrast Check

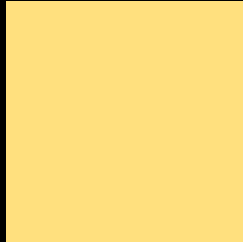
Large Text (above 18pt) WCAG AA × Fail

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, 51.527, 91.521 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, 51.527, 91.521

Background



This preview shows how black text looks on a background with the CIELCh color 90, 51.527, 91.521.



This preview shows how white text looks on a background with the CIELCh color 90, 51.527, 91.521.

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, 51.527, 91.521

Protanopia

90, 51.471, 95.784

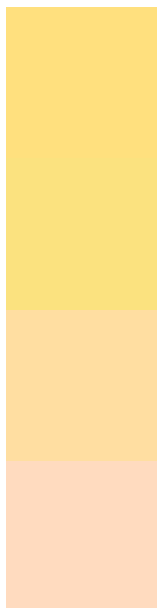
Deuteranopia

90, 24.741, 75.904



Tritanopia
90, 15.476, 356.922

Trichromacy



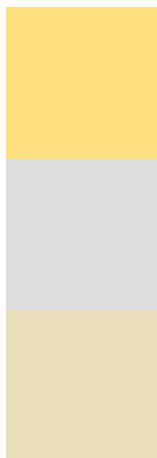
Original Color
90, 51.527, 91.521

Protanomaly
90, 51.297, 94.346

Deuteranomaly
90, 34.282, 84.800

Tritanomaly
90, 20.208, 65.518

Monochromacy



Original Color
90, 51.527, 91.521

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 19.115, 95.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 51.527, 91.521 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, 224, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 126)  
}
```

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, 224, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 51.527, 91.521 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, 224, 126) }
```

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

```
.border{ border-color:rgb(255, 224, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 51.527, 91.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 126) }
```

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

```
.background{ background-color: rgb(255,  
224, 126) }
```

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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