

Converting Colors

CIELCh(90, 53.195, 99.916)

Have a look what the booklet for
CIELCh(90, 53.195, 99.916) contains.

CIELCh(90, 53.174, 100.004)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 53.174, 100.004)

Conversions

Conversions Part 1

Format	Color
Hex	F2E57C
RGB	242, 229, 124
RGB Percent	95%, 90%, 49%
CMY	0.0513, 0.1023, 0.5140
CMYK	0.00, 0.05, 0.49, 0.05
HSL	53°, 82%, 72%
HSV	53°, 49%, 95%
XYZ	68.2137, 76.3034, 30.1741
YIQ	220.9170, 41.4530, -29.8990

Conversions

Conversions Part 2

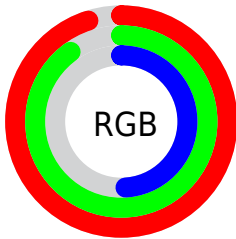
Format	Color
R_{YB}	139, 242, 124
Decimal	15918460
CIE _{Lab}	90.00, -9.24, 52.37
CIE _{LCh}	90, 53.174, 100.004
Yxy	76.3034, 0.3905, 0.4368
Android (android.graphics.Color)	4294108540 (0xFFFF2E57C)
YUV	220.9170, -47.7801, 18.4898
Hunter-Lab	87.3518, -13.4737, 40.6656

Details

The CIELCh color **90, 53.174, 100.004** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **60, 59.070, 292.978**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 38.137, 107.269**, and **70, 53.069, 100.016** is the 20% darker color. If you saturate the color by 10%, you get **89, 63.074, 98.941**, and if you desaturate by 10%, it is **91, 42.655, 101.100**.

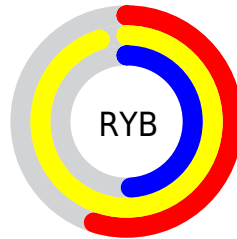
Distribution



Red (95%)

Green (90%)

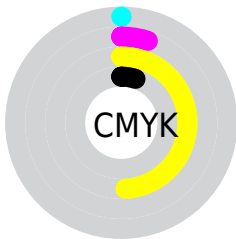
Blue (49%)



Red (55%)

Yellow (95%)

Blue (49%)

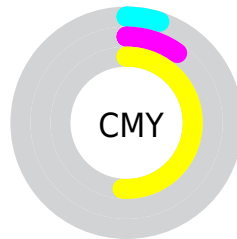


Cyan (0%)

Magenta (5%)

Yellow (49%)

Black (5%)



Cyan (5%)


Magenta (10%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 53.174, 100.004 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, 53.174, 100.004 by changing the saturation by 10% instead.


 90, 53.174,
100.004


 90, 53.174,
100.004


 100, 53.174,
100.004


 80, 53.174,
100.004

 70, 53.174,
100.004

 60, 53.174,
100.004

 50, 53.174,
100.004

 40, 53.174,
100.004

 30, 53.174,
100.004

 20, 53.174,

100.004

■ 10, 53.174,
100.004

■ 0, 53.174, 100.004

■ 90, 53.174,
100.004

■ 90, 53.174,
100.004

■ 89, 63.074, 98.941

■ 91, 42.655,
101.100

■ 88, 71.909, 97.918

■ 92, 31.798,
102.202

■ 87, 79.060, 96.955

■ 87, 83.835, 96.053

■ 93, 20.779,
103.298

■ 86, 85.950, 95.192

■ 94, 9.703, 104.371

■ 86, 86.130, 95.087

■ 96, 1.367, 285.532

- 97, 5.263, 279.298
- 97, 4.248, 263.187
- 98, 3.735, 240.244
- 99, 3.919, 215.311

Harmonies

Complementary

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



90, 53.174, 100.004



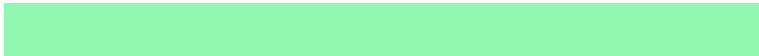
60, 59.070, 292.978

Rectangle

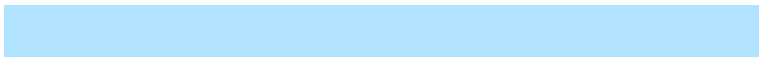
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 53.174, 100.004



90, 53.174, 150.004



90, 53.174, 280.004



90, 53.174, 330.004

Sweetspot

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



90, 53.175, 100.007



98, 17.327, 103.702



66, 48.455, 16.360



52, 11.822, 103.473



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, 53.175, 100.007



93, 66.028, 98.900



90, 61.407, 122.416



50, 6.238, 104.298



67, 70.121, 95.234



21, 29.051, 96.797

Inverse Universe

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



60, 59.070, 292.978



56, 76.101, 295.431



61, 67.477, 308.002



46, 6.346, 286.387



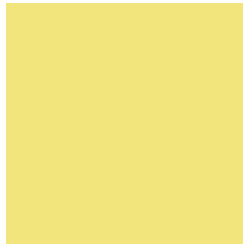
24, 98.981, 304.760



4, 34.923, 296.737

Previews

White Background



This preview shows how the CIELCh color 90, 53.174, 100.004 looks on a white background.

Color Contrast Check

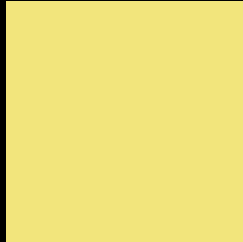
Large Text (above 18pt) WCAG AA × Fail

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, 53.174, 100.004 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, 53.174, 100.004

Background



This preview shows how black text looks on a background with the CIELCh color 90, 53.174, 100.004.



This preview shows how white text looks on a background with the CIELCh color 90, 53.174, 100.004.

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, 53.174, 100.004

Protanopia

90, 52.989, 95.446

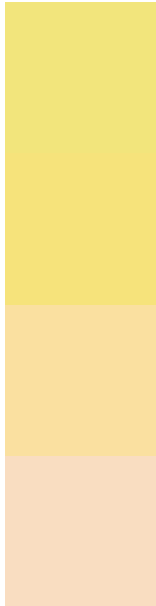
Deuteranopia

90, 25.189, 76.459



Tritanopia
90, 15.990, 347.181

Trichromacy



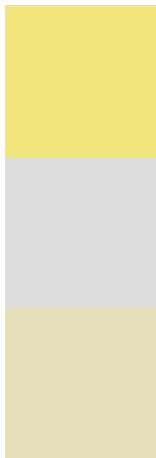
Original Color
90, 53.174, 100.004

Protanomaly
90, 53.117, 97.279

Deuteranomaly
90, 34.631, 89.914

Tritanomaly
90, 18.110, 72.602

Monochromacy



Original Color
90, 53.174, 100.004

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 19.756, 102.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 53.174, 100.004 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, 229, 124)` looks like.

```
.text, #text, p{  
    color:rgb(242, 229, 124)  
}
```

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, 229, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 229, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 53.174, 100.004 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, 229, 124) }
```

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

```
.border{ border-color:rgb(242, 229, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 229, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 229, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 229, 124);  
box-shadow:4px 4px 4px 4px rgb(242, 229,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 53.174, 100.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 229, 124) }
```

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

```
.background{ background-color: rgb(242,  
229, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor