

Converting Colors

CIELCh(90, 65.165, 105.759)

Have a look what the booklet for
CIELCh(90, 65.165, 105.759)
contains.

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Color

CIELCh(90, 64.891, 105.599)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E7E965 |
| RGB | 231, 233, 101 |
| RGB Percent | 91%, 91%, 40% |
| CMY | 0.0936, 0.0857, 0.6034 |
| CMYK | 0.01, 0.00, 0.57, 0.09 |
| HSL | 61°, 75%, 66% |
| HSV | 61°, 57%, 91% |
| XYZ | 64.5280, 76.3034, 23.6706 |
| YIQ | 217.3540, 41.1800, -41.4760 |

Conversions

Conversions Part 2

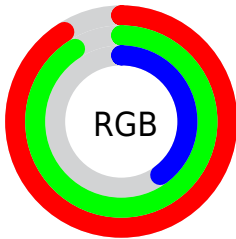
| Format | Color |
|-------------------------------------|---|
| RYB | 101, 233, 103 |
| Decimal | 15198565 |
| CIELab | 90.00, -17.45, 62.50 |
| CIELCh | 90, 64.891, 105.599 |
| Yxy | 76.3034, 0.3923, 0.4638 |
| Android (android.graphics.Color) | 4293388645 (0xFFE7E965) |
| YUV | 217.3540, -57.3625, 11.9675 |
| Hunter-Lab | 87.3518, -21.0051, 45.0798 |

Details

The CIELCh color **90, 64.891, 105.599** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **50, 76.615, 299.270**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **70, 65.053, 105.655** is the 20% darker color. If you saturate the color by 10%, you get **90, 74.174, 104.889**, and if you desaturate by 10%, it is **90, 54.473, 106.424**.

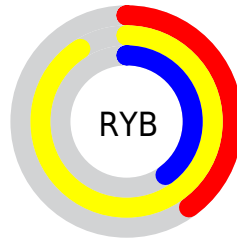
Distribution



Red (91%)

Green (91%)

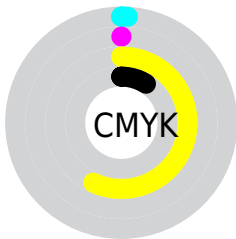
Blue (40%)



Red (40%)

Yellow (91%)

Blue (40%)

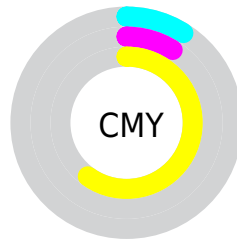


Cyan (1%)

Magenta (0%)

Yellow (57%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 64.891, 105.599 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, 64.891, 105.599 by changing the saturation by 10% instead.


 90, 64.891,
105.599


 90, 64.891,
105.599

 100, 64.891,
105.599


 80, 64.891,
105.599

 70, 64.891,
105.599

 60, 64.891,
105.599

 50, 64.891,
105.599

 40, 64.891,
105.599

 30, 64.891,
105.599

 20, 64.891,

105.599

■ 10, 64.891,
105.599

■ 0, 64.891, 105.599

■ 90, 64.891,
105.599

■ 90, 64.891,
105.599

■ 90, 74.174,
104.889

■ 90, 54.473,
106.424

■ 90, 81.778,
104.331


■ 91, 43.332,
107.318

■ 90, 87.140,
103.970

■ 91, 31.752,
108.251


■ 89, 89.966,
103.826


■ 91, 19.919,
109.201


 89, 90.579,
103.806

 92, 7.951, 110.146

 93, 4.075, 291.105

 93, 11.300,
291.888

 93, 11.305,
292.500

 93, 11.310,
293.111

Harmonies

Complementary

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



90, 64.891, 105.599



50, 76.615, 299.270

Rectangle

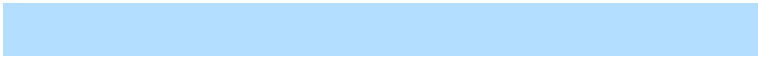
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 64.891, 105.599



90, 64.891, 155.599



90, 64.891, 285.599



90, 64.891, 335.599

Sweetspot

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



90, 64.892, 105.601



99, 21.904, 109.158



60, 57.266, 26.719



53, 14.640, 108.965



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, 64.892, 105.601



97, 80.915, 104.781



86, 70.387, 126.517



49, 6.854, 109.879



71, 74.955, 103.791



21, 30.651, 104.311

Inverse Universe

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



50, 76.615, 299.270



46, 100.516, 301.781



56, 76.673, 311.950



45, 7.008, 291.735



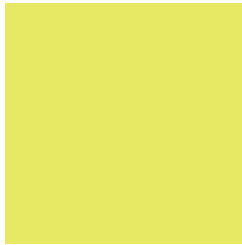
21, 103.397, 306.333



2, 35.764, 298.111

Previews

White Background



This preview shows how the CIELCh color 90, 64.891, 105.599 looks on a white background.

Color Contrast Check

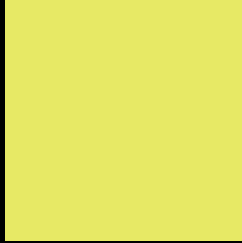
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 64.891, 105.599 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, 64.891, 105.599

Background



This preview shows how black text looks on a background with the CIELCh color 90, 64.891, 105.599.

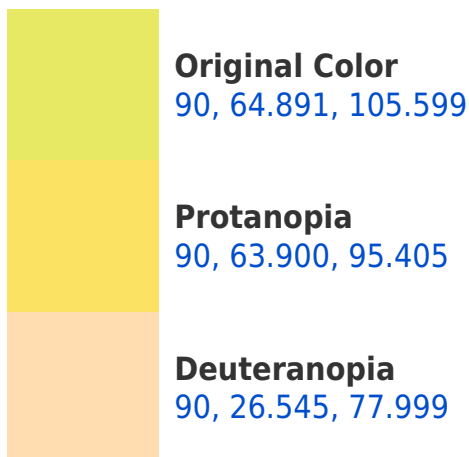



This preview shows how white text looks on a background with the CIELCh color 90, 64.891, 105.599.

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](#).

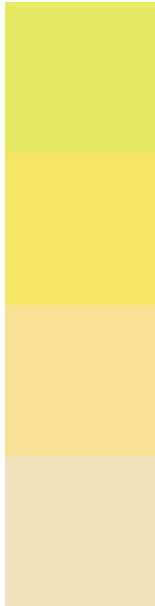
Dichromacy





Tritanopia
90, 12.846, 336.950

Trichromacy



Original Color
90, 64.891, 105.599

Protanomaly
90, 64.050, 99.254

Deuteranomaly
90, 39.912, 94.623

Tritanomaly
90, 20.116, 90.773

Monochromacy



Original Color
90, 64.891, 105.599

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 24.833, 108.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 64.891, 105.599 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(231, 233, 101)` looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 101)  
}
```

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(231, 233, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 64.891, 105.599 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(231, 233, 101) }
```

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

```
.border{ border-color:rgb(231, 233, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 233, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 101);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 64.891, 105.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 101) }
```

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

```
.background{ background-color: rgb(231,  
233, 101) }
```

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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