

Converting Colors

CIELCh(90, 64.174, 102.264)

Have a look what the booklet for
CIELCh(90, 64.174, 102.264)
contains.

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Color

CIELCh(90, 64.155, 102.285)

Conversions

Conversions Part 1

Format	Color
Hex	EEE765
RGB	238, 231, 101
RGB Percent	93%, 91%, 40%
CMY	0.0665, 0.0939, 0.6037
CMYK	0.00, 0.03, 0.58, 0.07
HSL	57°, 80%, 66%
HSV	57°, 58%, 93%
XYZ	66.2160, 76.3034, 23.5615
YIQ	218.2730, 45.9020, -38.9460

Conversions

Conversions Part 2

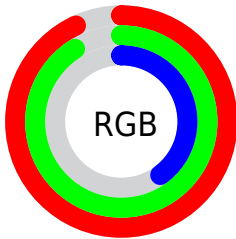
Format	Color
RYB	108, 238, 101
Decimal	15656805
CIELab	90.00, -13.65, 62.69
CIElCh	90, 64.155, 102.285
Yxy	76.3034, 0.3987, 0.4594
Android (android.graphics.Color)	4293846885 (0xFFEEE765)
YUV	218.2730, -57.8156, 17.3006
Hunter-Lab	87.3518, -17.5558, 45.1539

Details

The CIELCh color **90, 64.155, 102.285** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **51, 75.015, 297.369**, 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, 64.287, 102.523** is the 20% darker color. If you saturate the color by 10%, you get **89, 73.241, 101.422**, and if you desaturate by 10%, it is **91, 53.962, 103.232**.

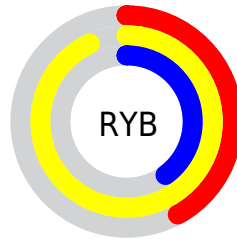
Distribution



Red (93%)

Green (91%)

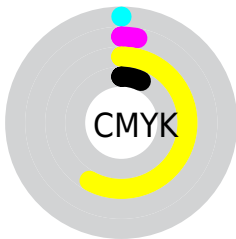
Blue (40%)



Red (42%)

Yellow (93%)

Blue (40%)

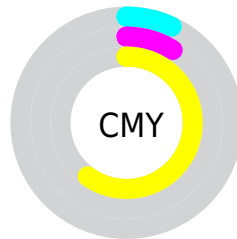


Cyan (0%)

Magenta (3%)

Yellow (58%)

Black (7%)



Cyan (7%)


Magenta (9%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 64.155, 102.285 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, 64.155, 102.285 by changing the saturation by 10% instead.

 90, 64.155,
102.285


 90, 64.155,
102.285

 100, 64.155,
102.285


 80, 64.155,
102.285

 70, 64.155,
102.285

 60, 64.155,
102.285

 50, 64.155,
102.285

 40, 64.155,
102.285

 30, 64.155,
102.285

 20, 64.155,

102.285

■ 10, 64.155,
102.285

■ 0, 64.155, 102.285

■ 90, 64.155,
102.285

■ 90, 64.155,
102.285

■ 89, 73.241,
101.422

■ 91, 53.962,
103.232

■ 89, 80.637,
100.667

■ 91, 43.088,
104.227

■ 89, 85.723,
100.047

■ 92, 31.819,
105.248

■ 88, 88.186, 99.564

■ 93, 20.338,
106.275

■ 88, 88.578, 99.457

- 93, 8.757, 107.290
- 94, 2.854, 288.335
- 95, 7.948, 287.055
- 95, 7.353, 283.434
- 96, 6.792, 279.205

Harmonies

Complementary

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



90, 64.155, 102.285



51, 75.015, 297.369

Rectangle

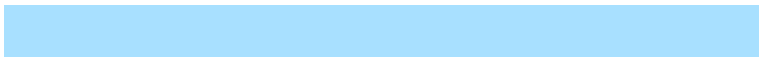
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 64.155, 102.285



90, 64.155, 152.285



90, 64.155, 282.285



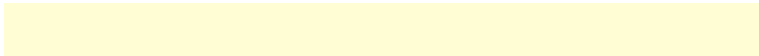
90, 64.155, 332.285

Sweetspot

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



90, 64.156, 102.288



98, 20.831, 106.325



60, 57.871, 22.234



52, 13.927, 106.119



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, 64.156, 102.288



95, 78.628, 101.285



88, 71.327, 124.044



50, 6.627, 107.096



70, 72.952, 99.515



22, 30.571, 100.473

Inverse Universe

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



51, 75.015, 297.369



47, 96.860, 300.168



55, 79.090, 310.053



46, 6.761, 289.085



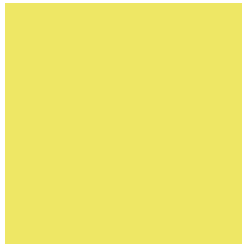
22, 102.239, 305.670



3, 36.465, 297.856

Previews

White Background



This preview shows how the CIELCh color 90, 64.155, 102.285 looks on a white background.

Color Contrast Check

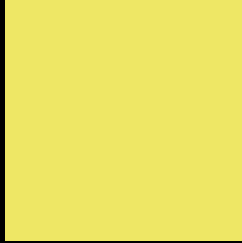
Large Text (above 18pt) WCAG AA × Fail

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, 64.155, 102.285 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, 64.155, 102.285

Background



This preview shows how black text looks on a background with the CIELCh color 90, 64.155, 102.285.

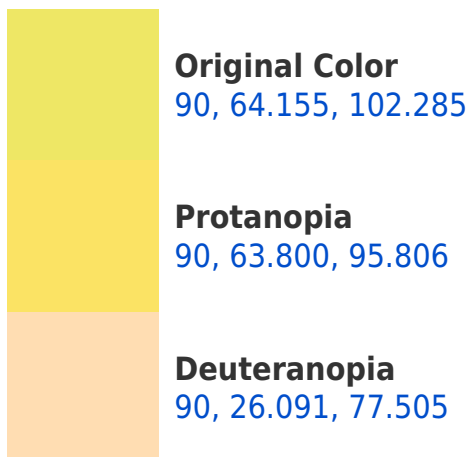


This preview shows how white text looks on a background with the CIELCh color 90, 64.155, 102.285.

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](#).

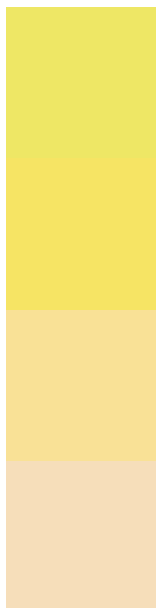
Dichromacy





Tritanopia
90, 15.084, 344.786

Trichromacy



Original Color
90, 64.155, 102.285

Protanomaly
90, 63.801, 98.100

Deuteranomaly
90, 39.726, 92.806

Tritanomaly
90, 20.874, 82.219

Monochromacy



Original Color
90, 64.155, 102.285

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 24.835, 106.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 64.155, 102.285 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(238, 231, 101)` looks like.

```
.text, #text, p{  
    color:rgb(238, 231, 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(238, 231, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 231, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 64.155, 102.285 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(238, 231, 101) }
```

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

```
.border{ border-color:rgb(238, 231, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 231, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 231, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 231, 101);  
box-shadow:4px 4px 4px 4px rgb(238, 231,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 64.155, 102.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 231, 101) }
```

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

```
.background{ background-color: rgb(238,  
231, 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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