

Converting Colors

CIELCh(90, 16.218, 106.311)

Have a look what the booklet for
CIELCh(90, 16.218, 106.311)
contains.

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Color

CIELCh(90, 16.024, 106.172)

Conversions

Conversions Part 1

Format	Color
Hex	E6E4C5
RGB	230, 228, 197
RGB Percent	90%, 89%, 77%
CMY	0.0982, 0.1061, 0.2276
CMYK	0.00, 0.01, 0.14, 0.10
HSL	56°, 40%, 84%
HSV	56°, 14%, 90%
XYZ	70.4195, 76.3034, 63.8106
YIQ	225.0640, 11.1430, -9.2170

Conversions

Conversions Part 2

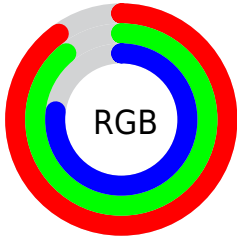
Format	Color
R_{YB}	199, 230, 197
Decimal	15131845
CIE _{Lab}	90.00, -4.46, 15.39
CIE _{LCh}	90, 16.024, 106.172
Yxy	76.3034, 0.3345, 0.3624
Android (android.graphics.Color)	4293321925 (0xFFE6E4C5)
YUV	225.0640, -13.8356, 4.3289
Hunter-Lab	87.3518, -8.9662, 17.8348

Details

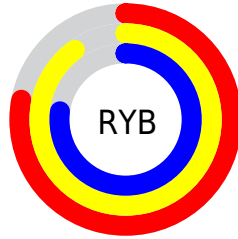
The CIELCh color **90, 16.024, 106.172** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **81, 16.493, 289.263**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.496, 109.985**, and **70, 16.301, 107.120** is the 20% darker color. If you saturate the color by 10%, you get **89, 27.134, 105.146**, and if you desaturate by 10%, it is **91, 4.854, 107.186**.

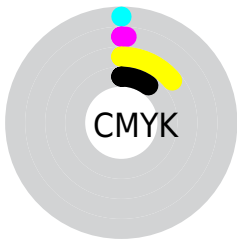
Distribution



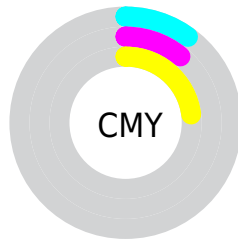
- Red (90%)
- Green (89%)
- Blue (77%)



- Red (78%)
- Yellow (90%)
- Blue (77%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (10%)





- Cyan (10%)
- Magenta (11%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.024, 106.172 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, 16.024, 106.172 by changing the saturation by 10% instead.


 90, 16.024,
106.172


 90, 16.024,
106.172


 100, 16.024,
106.172


 80, 16.024,
106.172


 70, 16.024,
106.172

 60, 16.024,
106.172

 50, 16.024,
106.172

 40, 16.024,
106.172

 30, 16.024,
106.172

 20, 16.024,

106.172

■ 10, 16.024,
106.172

■ 0, 16.024, 106.172

■ 90, 16.024,
106.172

■ 90, 16.024,
106.172

■ 89, 27.134,
105.146

■ 91, 4.854, 107.186

■ 88, 38.086,
104.111

■ 92, 6.325, 288.219

■ 88, 48.736,
103.093

■ 92, 11.837,
287.534

■ 87, 58.846,
102.113

■ 93, 11.142,
284.809

■ 93, 10.474,
281.737

■ 87, 68.053,
101.196

■ 94, 9.841, 278.266

■ 86, 75.839,
100.371

■ 94, 9.249, 274.343

■ 86, 81.586, 99.665

■ 94, 8.705, 269.917

■ 85, 84.803, 99.088

■ 85, 85.726, 98.802

■ 95, 8.220, 264.946

Harmonies

Complementary

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



90, 16.024, 106.172



81, 16.493, 289.263

Rectangle

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



90, 16.024, 106.172



90, 16.024, 156.172



90, 16.024, 286.172



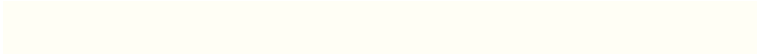
90, 16.024, 336.172

Sweetspot

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



90, 16.026, 106.179



100, 4.853, 107.217



82, 12.429, 15.014



53, 3.450, 107.144



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, 16.026, 106.179



98, 20.638, 105.896



89, 17.898, 126.025



48, 6.334, 106.678



68, 70.979, 98.872



19, 27.734, 100.295

Inverse Universe

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



81, 16.493, 289.263



87, 21.359, 289.616



82, 18.307, 307.416



44, 6.459, 288.672



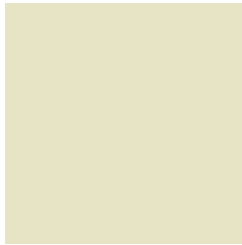
22, 99.623, 305.531



3, 32.262, 295.593

Previews

White Background



This preview shows how the CIELCh color 90, 16.024, 106.172 looks on a white background.

Color Contrast Check

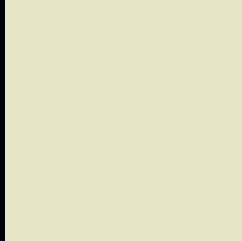
Large Text (above 18pt) WCAG AA × Fail

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, 16.024, 106.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

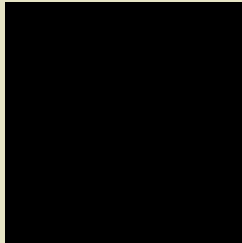
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

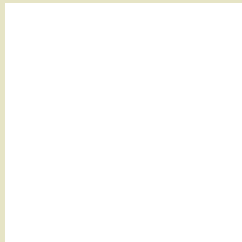
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.024, 106.172

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.024, 106.172.



This preview shows how white text looks on a background with the CIELCh color 90, 16.024, 106.172.

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, 16.024, 106.172

Protanopia

90, 16.053, 93.864

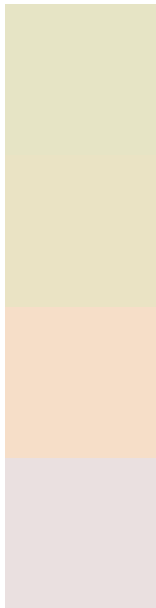
Deuteranopia

90, 16.322, 52.607



Tritanopia
90, 10.177, 319.807

Trichromacy



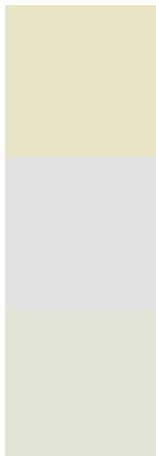
Original Color
90, 16.024, 106.172

Protanomaly
90, 16.226, 99.482

Deuteranomaly
90, 14.604, 70.744

Tritanomaly
90, 3.607, 19.493

Monochromacy



Original Color
90, 16.024, 106.172

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.703, 106.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.024, 106.172 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(230, 228, 197)` looks like.

```
.text, #text, p{  
    color:rgb(230, 228, 197)  
}
```

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(230, 228, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.024, 106.172 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(230, 228, 197) }
```

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

```
.border{ border-color:rgb(230, 228, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 228, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 228, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 228, 197);  
box-shadow:4px 4px 4px 4px rgb(230, 228,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.024, 106.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 197) }
```

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

```
.background{ background-color: rgb(230,  
228, 197) }
```

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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