

Converting Colors

CIELCh(90, 13.767, 77.516)

Have a look what the booklet for
CIELCh(90, 13.767, 77.516) contains.

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Color

CIELCh(90, 13.904, 78.158)

Conversions

Conversions Part 1

Format	Color
Hex	F3E0C9
RGB	243, 224, 201
RGB Percent	95%, 88%, 79%
CMY	0.0485, 0.1230, 0.2132
CMYK	0.00, 0.08, 0.17, 0.05
HSL	33°, 63%, 87%
HSV	33°, 17%, 95%
XYZ	73.8913, 76.3034, 65.8704
YIQ	227.0590, 18.7070, -3.1250

Conversions

Conversions Part 2

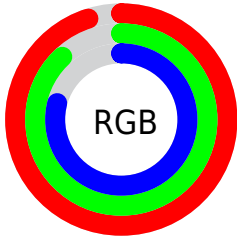
Format	Color
R _Y B	236, 243, 201
Decimal	15982793
CIE Lab	90.00, 2.85, 13.61
CIE LCh	90, 13.904, 78.158
Yxy	76.3034, 0.3420, 0.3531
Android (android.graphics.Color)	4294172873 (0xFFFF3E0C9)
YUV	227.0590, -12.8471, 13.9803
Hunter-Lab	87.3518, -1.8717, 16.4367

Details

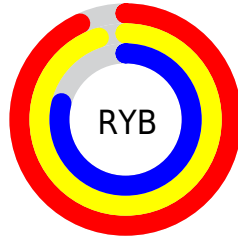
The CIELCh color **90, 13.904, 78.158** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 13.469, 262.920**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 14.036, 77.905** is the 20% darker color. If you saturate the color by 10%, you get **87, 22.378, 76.858**, and if you desaturate by 10%, it is **93, 5.753, 79.422**.

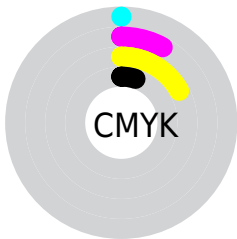
Distribution



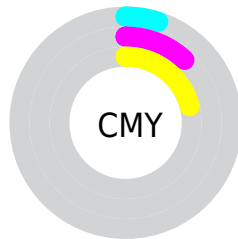
- Red (95%)
- Green (88%)
- Blue (79%)



- Red (93%)
- Yellow (95%)
- Blue (79%)



- Cyan (0%)
- Magenta (8%)
- Yellow (17%)
- Black (5%)



- Cyan (5%)
- Magenta (12%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 13.904, 78.158 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, 13.904, 78.158 by changing the saturation by 10% instead.

 90, 13.904, 78.158

 90, 13.904, 78.158

 100, 13.904,
78.158

 80, 13.904, 78.158

 70, 13.904, 78.158

 60, 13.904, 78.158

 50, 13.904, 78.158

 40, 13.904, 78.158

 30, 13.904, 78.158

 20, 13.904, 78.158

 10, 13.904, 78.158

 0, 13.904, 78.158

90, 13.904, 78.158

90, 13.904, 78.158

87, 22.378, 76.858

93, 5.753, 79.422

84, 31.175, 75.514

97, 2.096, 260.926

81, 40.263, 74.141

99, 4.268, 199.290

78, 49.539, 72.725

75, 58.772, 71.228

72, 67.488, 69.551

69, 74.847, 67.498

67, 79.788, 64.766

66, 80.896, 63.989

Harmonies

Complementary

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



90, 13.904, 78.158



87, 13.469, 262.920

Rectangle

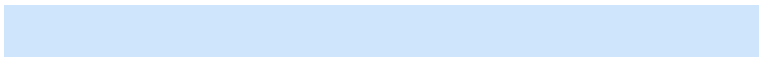
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 13.904, 78.158



90, 13.904, 128.158



90, 13.904, 258.158



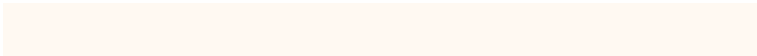
90, 13.904, 308.158

Sweetspot

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



90, 13.905, 78.169



98, 4.079, 79.682



85, 18.427, 347.029



52, 2.788, 79.605



0, 0.000, 0.000



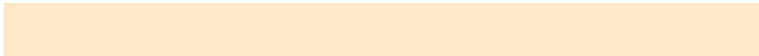
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 13.905, 78.169



93, 17.700, 77.682



95, 21.420, 109.898



49, 4.529, 79.158



52, 66.156, 64.646



15, 24.723, 66.406

Inverse Universe

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



87, 13.469, 262.920



89, 17.009, 263.553



82, 22.294, 293.303



48, 4.460, 261.734



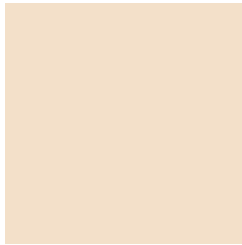
38, 62.649, 288.433



10, 24.130, 281.568

Previews

White Background



This preview shows how the CIELCh color 90, 13.904, 78.158 looks on a white background.

Color Contrast Check

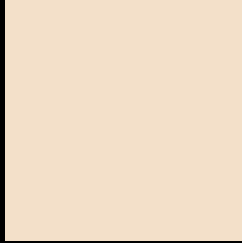
Large Text (above 18pt) WCAG AA × Fail

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, 13.904, 78.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

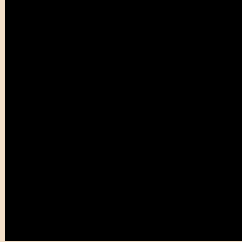
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

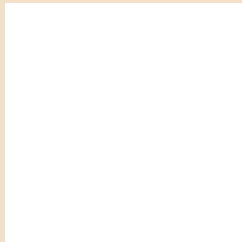
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 13.904, 78.158

Background



This preview shows how black text looks on a background with the CIELCh color 90, 13.904, 78.158.



This preview shows how white text looks on a background with the CIELCh color 90, 13.904, 78.158.

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, 13.904, 78.158

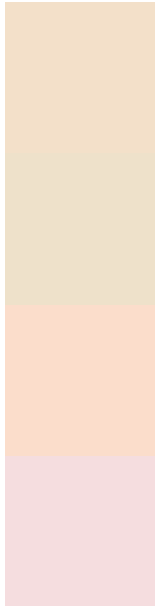
Protanopia
90, 12.956, 92.342

Deuteranopia
90, 15.737, 49.591



Tritanopia
90, 13.374, 339.132

Trichromacy



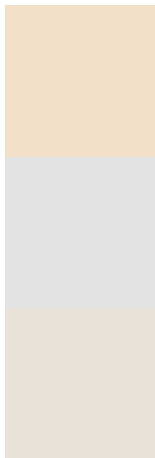
Original Color
90, 13.904, 78.158

Protanomaly
90, 12.857, 86.890

Deuteranomaly
90, 14.724, 59.022

Tritanomaly
90, 8.809, 13.241

Monochromacy



Original Color
90, 13.904, 78.158

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.292, 80.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 13.904, 78.158 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(243, 224, 201)` looks like.

```
.text, #text, p{  
    color:rgb(243, 224, 201)  
}
```

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(243, 224, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 224, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 13.904, 78.158 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(243, 224, 201) }
```

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

```
.border{ border-color:rgb(243, 224, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 224, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 224, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 224, 201);  
box-shadow:4px 4px 4px 4px rgb(243, 224,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 13.904, 78.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 224, 201) }
```

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

```
.background{ background-color: rgb(243,  
224, 201) }
```

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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