

Converting Colors

CIELCh(74, 56.046, 78.890)

Have a look what the booklet for
CIELCh(74, 56.046, 78.890) contains.

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Color

CIELCh(74, 55.982, 78.659)

Conversions

Conversions Part 1

Format	Color
Hex	E4AC4E
RGB	228, 172, 78
RGB Percent	89%, 67%, 31%
CMY	0.1047, 0.3244, 0.6931
CMYK	0.00, 0.25, 0.66, 0.10
HSL	38°, 74%, 60%
HSV	38°, 66%, 90%
XYZ	48.2781, 46.7039, 13.7265
YIQ	178.0280, 63.5500, -17.3620

Conversions

Conversions Part 2

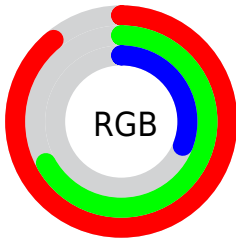
Format	Color
RYB	167, 228, 78
Decimal	14986318
CIELab	74.00, 11.01, 54.89
CIELCh	74, 55.982, 78.659
Yxy	46.7039, 0.4441, 0.4296
Android (android.graphics.Color)	4293176398 (0xFFE4AC4E)
YUV	178.0280, -49.3138, 43.8254
Hunter-Lab	68.3403, 6.5036, 35.9295

Details

The CIELCh color **74, 55.982, 78.659** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **56, 54.402, 281.968**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 50.156, 92.799**, and **54, 55.961, 78.522** is the 20% darker color. If you saturate the color by 10%, you get **72, 63.923, 76.981**, and if you desaturate by 10%, it is **76, 47.387, 80.199**.

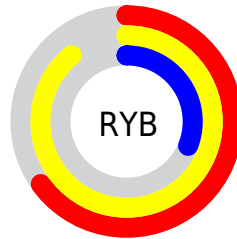
Distribution



Red (89%)

Green (67%)

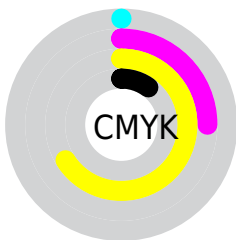
Blue (31%)



Red (65%)

Yellow (89%)

Blue (31%)

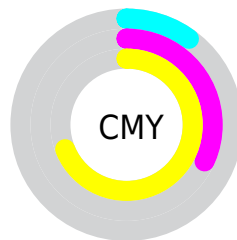


Cyan (0%)

Magenta (25%)

Yellow (66%)

Black (10%)



Cyan (10%)

Magenta (32%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 55.982, 78.659 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 74, 55.982, 78.659 by changing the saturation by 10% instead.

 74, 55.982, 78.659

 74, 55.982, 78.659

 100, 55.982,
78.659

 64, 55.982, 78.659

 94, 55.982, 78.659

 54, 55.982, 78.659

 44, 55.982, 78.659

 34, 55.982, 78.659

 24, 55.982, 78.659

 14, 55.982, 78.659

 4, 55.982, 78.659

 0, 55.982, 78.659

 74, 55.982, 78.659

 74, 55.982, 78.659

72, 63.923, 76.981

76, 47.387, 80.199

70, 70.466, 75.019

79, 38.587, 81.657

68, 74.678, 72.552

81, 29.819, 83.066

67, 75.968, 71.393

84, 21.202, 84.433

86, 12.785, 85.756

89, 4.585, 87.005

92, 3.402, 268.402

94, 8.464, 261.505

97, 7.619, 222.912

Harmonies

Complementary

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



74, 55.982, 78.659



56, 54.402, 281.968

Rectangle

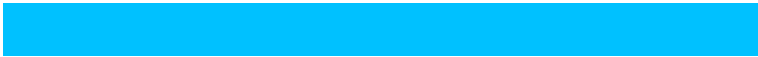
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 55.982, 78.659



74, 55.982, 128.659



74, 55.982, 258.659



74, 55.982, 308.659

Sweetspot

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



74, 55.982, 78.662



94, 17.899, 85.180



56, 62.515, 0.265



49, 12.258, 84.805



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 55.982, 78.662



79, 72.406, 76.286



87, 72.570, 109.981



47, 4.598, 86.554



53, 63.168, 71.956



14, 21.609, 74.411

Inverse Universe

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



56, 54.402, 281.968



56, 72.395, 286.895



44, 88.171, 303.041



45, 4.576, 269.086



32, 69.870, 294.102



6, 24.195, 285.706

Previews

White Background



This preview shows how the CIELCh color 74, 55.982, 78.659 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 74, 55.982, 78.659 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 74, 55.982, 78.659

Background



This preview shows how black text looks on a background with the CIELCh color 74, 55.982, 78.659.



This preview shows how white text looks on a background with the CIELCh color 74, 55.982, 78.659.

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

74, 55.982, 78.659

Protanopia

74, 53.091, 95.520

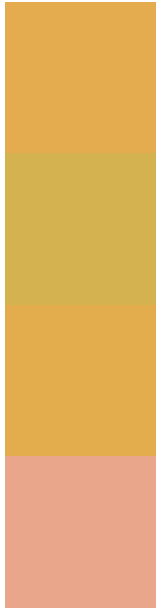
Deuteranopia

74, 55.707, 80.042



Tritanopia
74, 29.073, 9.477

Trichromacy



Original Color
74, 55.982, 78.659

Protanomaly
74, 53.438, 88.744

Deuteranomaly
74, 55.923, 79.641

Tritanomaly
74, 32.033, 48.026

Monochromacy



Original Color
74, 55.982, 78.659

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 20.154, 84.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 55.982, 78.659 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(228, 172, 78)` looks like.

```
.text, #text, p{  
    color:rgb(228, 172, 78)  
}
```

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(228, 172, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 172, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 55.982, 78.659 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(228, 172, 78) }
```

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

```
.border{ border-color:rgb(228, 172, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 172, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 172, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 172, 78);  
box-shadow:4px 4px 4px 4px rgb(228, 172,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 55.982, 78.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 172, 78) }
```

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

```
.background{ background-color: rgb(228,  
172, 78) }
```

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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