

# Converting Colors

CIELCh(78, 20.483, 55.510)

Have a look what the booklet for  
CIELCh(78, 20.483, 55.510) contains.

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# Color

**CIELCh(78, 20.674, 54.721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2B8A2
RGB	226, 184, 162
RGB Percent	89%, 72%, 64%
CMY	0.1127, 0.2774, 0.3638
CMYK	0.00, 0.19, 0.28, 0.11
HSL	21°, 53%, 76%
HSV	21°, 28%, 89%
XYZ	55.1809, 53.2120, 41.6578
YIQ	194.0500, 32.0940, 2.0620

# Conversions

## Conversions Part 2

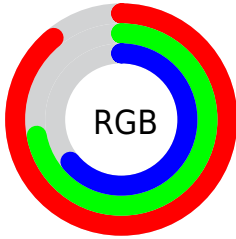
Format	Color
R <sub>Y</sub> B	226, 196, 162
Decimal	14858402
CIE Lab	78.00, 11.94, 16.88
CIE LCh	78, 20.674, 54.721
Yxy	53.2120, 0.3677, 0.3546
Android (android.graphics.Color)	4293048482 (0xFFE2B8A2)
YUV	194.0500, -15.8006, 28.0202
Hunter-Lab	72.9466, 7.3711, 17.2037

# Details

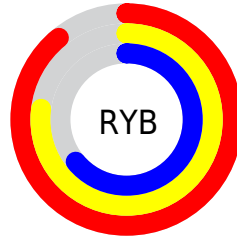
The CIELCh color  $78, 20.674, 54.721$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $80, 17.737, 240.310$ , and the grayscale version is  $79, 0.010, 296.813$ .

A 20% lighter version of the original color is  $95, 12.997, 83.952$ , and  $58, 20.904, 54.967$  is the 20% darker color. If you saturate the color by 10%, you get  $74, 29.030, 54.053$ , and if you desaturate by 10%, it is  $82, 12.890, 55.466$ .

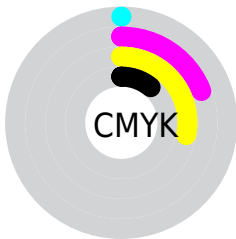
# Distribution



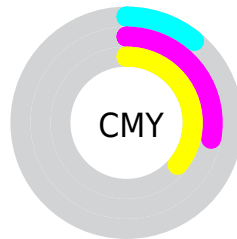
- Red (89%)
- Green (72%)
- Blue (64%)



- Red (89%)
- Yellow (77%)
- Blue (64%)



- Cyan (0%)
- Magenta (19%)
- Yellow (28%)
- Black (11%)



- Cyan (11%)
- Magenta (28%)
- Yellow (36%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 20.674, 54.721 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 78, 20.674, 54.721 by changing the saturation by 10% instead.



 78, 20.674, 54.721

 78, 20.674, 54.721

 100, 20.674,  
54.721

 68, 20.674, 54.721

 98, 20.674, 54.721

 58, 20.674, 54.721

 48, 20.674, 54.721

 38, 20.674, 54.721

 28, 20.674, 54.721

 18, 20.674, 54.721

 8, 20.674, 54.721

 0, 20.674, 54.721

 78, 20.674, 54.721

 78, 20.674, 54.721

74, 29.030, 54.053

82, 12.890, 55.466

70, 37.973, 53.455

86, 5.639, 56.215

66, 47.466, 52.939

91, 1.128, 237.612

63, 57.365, 52.473

95, 7.464, 238.067

60, 67.302, 51.948

98, 9.757, 198.857

57, 76.466, 51.087

54, 83.599, 49.473

54, 84.740, 49.229

# Harmonies

# Complementary

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



78, 20.674, 54.721



80, 17.737, 240.310

# Rectangle

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



78, 20.674, 54.721



78, 20.674, 104.721



78, 20.674, 234.721



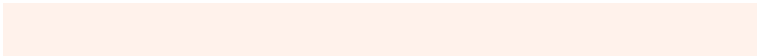
78, 20.674, 284.721

# Sweetspot

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



78, 20.673, 54.729



96, 5.988, 56.232



74, 32.654, 337.793



51, 4.279, 56.124



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



78, 20.673, 54.729



84, 27.976, 54.319



86, 28.045, 99.122



45, 3.851, 56.133



42, 69.798, 49.834



9, 20.494, 43.721



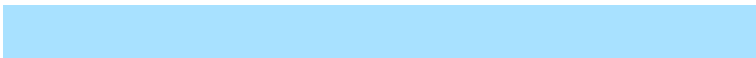


# Inverse Universe

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



80, 17.737, 240.310



87, 23.127, 241.292



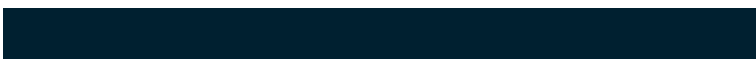
72, 29.196, 286.203



45, 3.680, 237.961



46, 39.892, 263.629



11, 14.925, 253.625



# Previews

## White Background



This preview shows how the CIELCh color 78, 20.674, 54.721 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 78, 20.674, 54.721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

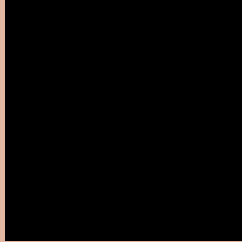
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 20.674, 54.721

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 20.674, 54.721.



This preview shows how white text looks on a background with the CIELCh color 78, 20.674, 54.721.

# 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

78, 20.674, 54.721

### Protanopia

78, 14.894, 93.628

### Deuteranopia

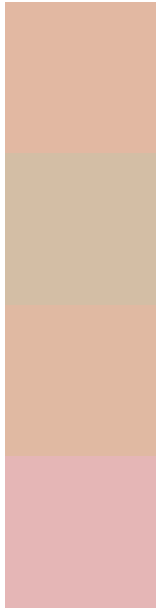
78, 19.700, 60.387



**Tritanopia**  
78, 20.230, 359.619



# Trichromacy



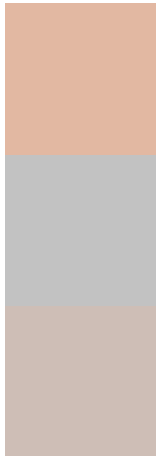
**Original Color**  
78, 20.674, 54.721

**Protanomaly**  
78, 15.729, 77.181

**Deuteranomaly**  
78, 19.997, 57.831

**Tritanomaly**  
78, 18.151, 20.891

# Monochromacy



**Original Color**  
78, 20.674, 54.721

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 7.427, 54.721

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 20.674, 54.721 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(226, 184, 162)` looks like.

```
.text, #text, p{  
    color:rgb(226, 184, 162)  
}
```

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(226, 184, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 184, 162) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 20.674, 54.721 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(226, 184, 162) }
```

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

```
.border{ border-color:rgb(226, 184, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 184, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 184, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 184, 162);  
box-shadow:4px 4px 4px 4px rgb(226, 184,  
162) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 20.674, 54.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 184, 162) }
```

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

```
.background{ background-color: rgb(226,  
184, 162) }
```

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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