

# Converting Colors

CIELCh(75, 20.128, 60.285)

Have a look what the booklet for  
CIELCh(75, 20.128, 60.285) contains.

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# Color

**CIELCh(75, 20.244, 59.545)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7B199
RGB	215, 177, 153
RGB Percent	84%, 69%, 60%
CMY	0.1563, 0.3053, 0.3994
CMYK	0.00, 0.18, 0.29, 0.16
HSL	23°, 44%, 72%
HSV	23°, 29%, 84%
XYZ	49.5831, 48.2781, 36.9050
YIQ	185.6260, 30.3520, 0.5920

# Conversions

## Conversions Part 2

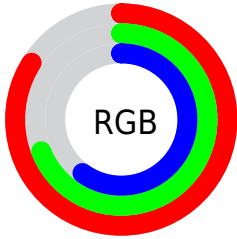
Format	Color
R <sub>Y</sub> B	215, 192, 153
Decimal	14135705
CIE Lab	75.00, 10.26, 17.45
CIE LCh	75, 20.244, 59.545
Yxy	48.2781, 0.3679, 0.3582
Android (android.graphics.Color)	4292325785 (0xFFD7B199)
YUV	185.6260, -16.0846, 25.7610
Hunter-Lab	69.4824, 5.7843, 17.1463

# Details

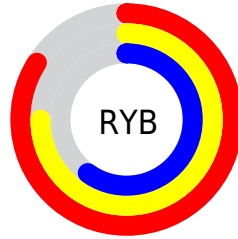
The CIELCh color **75, 20.244, 59.545** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **75, 17.667, 246.170**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 15.729, 77.358**, and **55, 20.103, 58.863** is the 20% darker color. If you saturate the color by 10%, you get **71, 28.201, 58.668**, and if you desaturate by 10%, it is **79, 12.788, 60.474**.

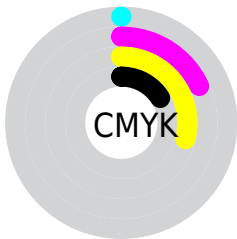
# Distribution



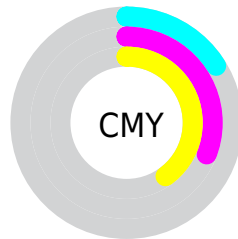
- Red (84%)
- Green (69%)
- Blue (60%)



- Red (84%)
- Yellow (75%)
- Blue (60%)



- Cyan (0%)
- Magenta (18%)
- Yellow (29%)
- Black (16%)



- Cyan (16%)
- Magenta (31%)
- Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 20.244, 59.545 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 75, 20.244, 59.545 by changing the saturation by 10% instead.



 75, 20.244, 59.545

 75, 20.244, 59.545

 100, 20.244,  
59.545

 65, 20.244, 59.545

 95, 20.244, 59.545

 55, 20.244, 59.545

 45, 20.244, 59.545

 35, 20.244, 59.545

 25, 20.244, 59.545

 15, 20.244, 59.545

 5, 20.244, 59.545

 0, 20.244, 59.545

 75, 20.244, 59.545

 75, 20.244, 59.545

71, 28.201, 58.668

79, 12.788, 60.474

68, 36.667, 57.832

83, 5.801, 61.393

64, 45.596, 57.040

87, 0.759, 243.085

61, 54.837, 56.254

90, 6.937, 243.505

58, 64.016, 55.359

94, 11.049,  
232.783

55, 72.348, 54.085

97, 13.362,  
198.614

53, 78.810, 52.114

53, 79.552, 51.912

# Harmonies

# Complementary

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



75, 20.244, 59.545



75, 17.667, 246.170

# Rectangle

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



75, 20.244, 59.545



75, 20.244, 109.545



75, 20.244, 239.545



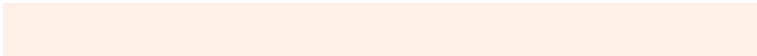
75, 20.244, 289.545

# Sweetspot

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



75, 20.244, 59.553



96, 6.799, 61.369



70, 30.874, 340.170



51, 4.747, 61.238



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



75, 20.244, 59.553



85, 28.843, 58.971



83, 28.778, 101.871



43, 3.726, 61.340



42, 66.636, 52.527



8, 17.490, 46.254



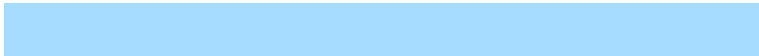


# Inverse Universe

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



75, 17.667, 246.170



85, 24.293, 247.379



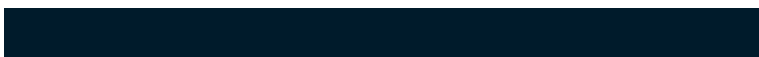
67, 30.287, 288.785



43, 3.583, 243.428



43, 42.348, 270.214



8, 14.571, 258.831



# Previews

## White Background



This preview shows how the CIELCh color 75, 20.244, 59.545 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 75, 20.244, 59.545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

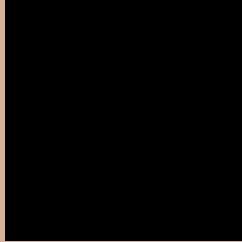
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 20.244, 59.545

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 20.244, 59.545.

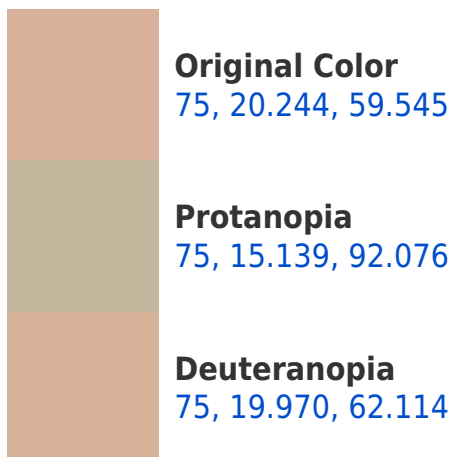


This preview shows how white text looks on a background with the CIELCh color 75, 20.244, 59.545.

# 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**  
75, 19.322, 358.314



# Trichromacy



**Original Color**  
75, 20.244, 59.545

**Protanomaly**  
75, 16.128, 79.199

**Deuteranomaly**  
75, 19.970, 62.114

**Tritanomaly**  
75, 17.124, 20.852

# Monochromacy



**Original Color**  
75, 20.244, 59.545

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
75, 7.219, 61.632

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 20.244, 59.545 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(215, 177, 153)` looks like.

```
.text, #text, p{  
    color:rgb(215, 177, 153)  
}
```

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(215, 177, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 177, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 20.244, 59.545 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(215, 177, 153) }
```

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

```
.border{ border-color:rgb(215, 177, 153) }
```

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

Here you see how a box with a 4 pixel rgb(215, 177, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 177, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 177, 153);  
box-shadow:4px 4px 4px 4px rgb(215, 177,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 20.244, 59.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 177, 153) }
```

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

```
.background{ background-color: rgb(215,  
177, 153) }
```

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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