

# Converting Colors

XYZ(111.3806, 93.2525,  
64.3817)

Have a look what the booklet for  
XYZ(111.3806, 93.2525, 64.3817)  
contains.

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# **Color**

**XYZ(76.0167, 74.8712,  
62.6696)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD9C4
RGB	255, 217, 196
RGB Percent	100%, 85%, 77%
CMY	0.0000, 0.1490, 0.2314
CMYK	0.00, 0.15, 0.23, 0.00
HSL	21°, 100%, 88%
HSV	21°, 23%, 100%
XYZ	76.0167, 74.8712, 62.6696
YIQ	225.9680, 29.3890, 1.5250

# Conversions

## Conversions Part 2

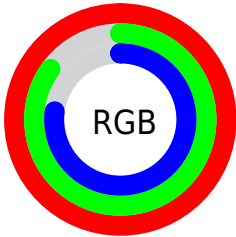
Format	Color
R <sub>Y</sub> B	255, 229, 196
Decimal	16767428
CIE Lab	89.33, 10.10, 15.24
CIE LCh	89, 18.283, 56.481
Yxy	74.8712, 0.3560, 0.3506
Android (android.graphics.Color)	4294957508 (0xFFFFD9C4)
YUV	225.9680, -14.7742, 25.4611
Hunter-Lab	86.5281, 5.3916, 17.6278

# Details

The XYZ color **76.0167, 74.8712, 62.6696** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.2369, 77.7991, 105.9226**, and the grayscale version is **72.3557, 76.1238, 82.8988**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **41.0915, 39.7994, 31.1075** is the 20% darker color. If you saturate the color by 10%, you get **69.3332, 65.7612, 47.3184**, and if you desaturate by 10%, it is **83.6182, 85.0275, 80.7623**.

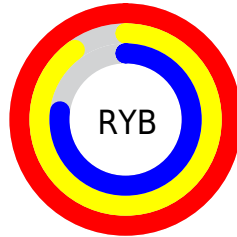
# Distribution



Red (100%)

Green (85%)

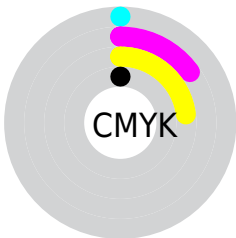
Blue (77%)



Red (100%)

Yellow (90%)

Blue (77%)

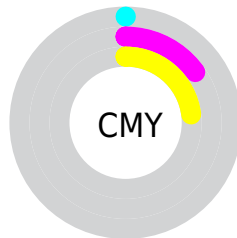


Cyan (0%)

Magenta (15%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0167, 74.8712, 62.6696 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 XYZ color 76.0167, 74.8712, 62.6696 by changing the saturation by 10% instead.




 76.0167, 74.8712,  
62.6696

 76.0167, 74.8712,  
62.6696


470.3484,  
477.4748, 452.4443

 56.7433, 55.5074,  
45.1347


126.7307,  
126.1300, 110.2737

 41.0385, 39.8081,  
31.2198


158.9021,  
158.7938, 141.1799

 28.5370, 27.3890,  
20.5064


196.1035,  
196.6597, 177.3803

 18.8734, 17.8656,  
12.5760

238.7003,  
240.1121, 219.2935

 11.6823, 10.8535,  
7.0099

287.0578,  
289.5354, 267.3380

 6.5984, 5.9684,  
3.3898

341.5414,

 3.2563, 2.8259,

345.3141, 321.9322

1.2969

402.5165,  
407.8324, 383.4948

■ 1.2907, 1.0415,  
0.0593

■ 0.1762, 0.0000,  
0.0000

■ 76.0167, 74.8712,  
62.6696

■ 76.0167, 74.8712,  
62.6696

■ 69.3332, 65.7612,  
47.3184

■ 83.6182, 85.0275,  
80.7623

■ 63.5253, 57.6532,  
34.5687

■ 92.1675, 96.2530,  
101.7180

■ 58.5550, 50.5139,  
24.2751

95.0500, 100.0000,  
108.9000

■ 54.3786, 44.3046,  
16.2756

■ 50.9486, 38.9831,  
10.3887

■ 48.2108, 34.5039,  
6.4046

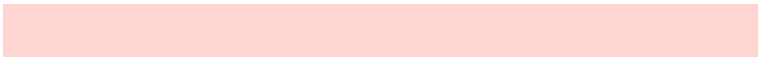
■ 46.1020, 30.8157,  
4.0693

■ 44.9627, 28.7054,  
3.1709

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1387, 74.8712, 71.0287



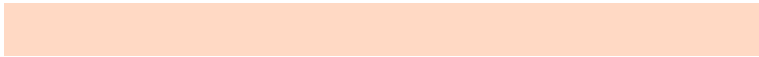
76.0167, 74.8712, 62.6696



71.6919, 74.8712, 59.3335

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0167, 74.8712, 62.6696



62.9221, 74.8712, 80.0199



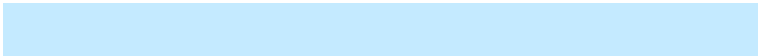
75.0655, 74.8712, 105.6061

# Complementary

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



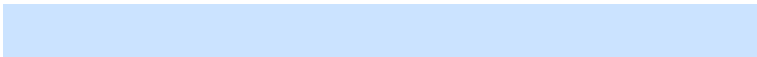
76.0167, 74.8712, 62.6696



70.2369, 77.7991, 105.9226

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6364, 74.8712, 108.6494



76.0167, 74.8712, 62.6696



63.7417, 74.8712, 93.0010

# Square

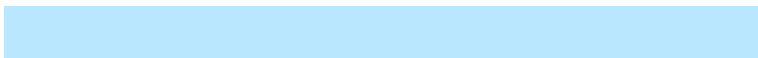
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0167, 74.8712, 62.6696



64.2333, 74.8712, 68.6674



66.5201, 74.8712, 103.8202



78.5736, 74.8712, 95.8884



# Rectangle

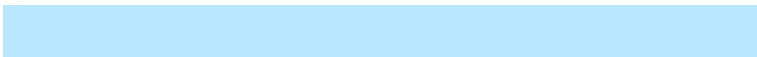
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0167, 74.8712, 62.6696



68.7516, 74.8712, 60.1178



66.5201, 74.8712, 103.8202



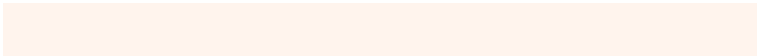
73.6298, 74.8712, 107.4848

# Sweetspot

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



76.0184, 74.8745, 62.6711



88.7499, 91.7870, 93.2748



75.8820, 66.7013, 86.9814



18.8847, 19.5000, 19.6908



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



76.0184, 74.8745, 62.6711



72.6551, 70.3145, 54.8706



84.2055, 91.2486, 65.4002



18.5385, 19.0452, 18.8433



23.6213, 15.2538, 1.6993

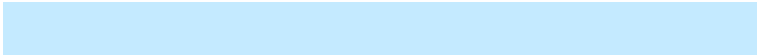


2.3985, 1.6824, 0.1983

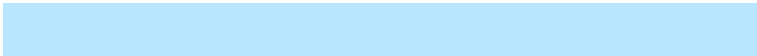


# Inverse Universe

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



70.2369, 77.7991, 105.9226



65.9016, 73.7213, 105.3640



62.6112, 62.5476, 103.3807



17.9789, 19.3295, 23.0333



16.5345, 17.9786, 52.0333

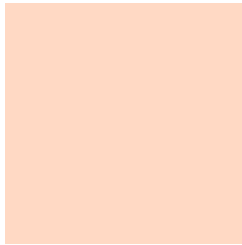


1.7131, 1.9569, 5.1007



# Previews

## White Background



This preview shows how the XYZ color 76.0167, 74.8712, 62.6696 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 XYZ color 76.0167, 74.8712, 62.6696 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](#).

**XYZ 76.0167, 74.8712, 62.6696**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0167, 74.8712, 62.6696.



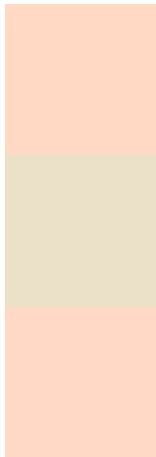
This preview shows how white text looks on a background with the XYZ color 76.0167, 74.8712,

62.6696.

# 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

76.0167, 74.8712, 62.6696

### Protanopia

71.3419, 75.1436, 65.3876

### Deuteranopia

76.2459, 74.9629, 63.8768



## Tritanopia

79.2902, 74.9546, 83.6874

# Trichromacy



## Original Color

76.0167, 74.8712, 62.6696

## Protanomaly

72.7832, 74.7137, 64.6179

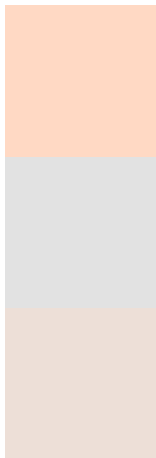
## Deuteranomaly

76.1309, 74.9169, 63.2712

## Tritanomaly

77.9351, 74.8187, 75.2996

# Monochromacy



## Original Color

76.0167, 74.8712, 62.6696

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.5785, 75.6862, 75.0209

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0167, 74.8712, 62.6696 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(255, 217, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 196)  
}
```

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(255, 217, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0167, 74.8712, 62.6696 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(255, 217, 196) }
```



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

```
.border{ border-color:rgb(255, 217, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0167, 74.8712, 62.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 196) }
```

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

```
.background{ background-color: rgb(255,  
217, 196) }
```

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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