

# Converting Colors

XYZ(78.2773, 79.5417, 62.9629)

Have a look what the booklet for  
XYZ(78.2773, 79.5417, 62.9629)  
contains.

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# Color

**XYZ(78.2867, 79.5928,  
62.8666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2C3
RGB	255, 226, 195
RGB Percent	100%, 89%, 76%
CMY	0.0000, 0.1137, 0.2353
CMYK	0.00, 0.11, 0.24, 0.00
HSL	31°, 100%, 88%
HSV	31°, 24%, 100%
XYZ	78.2867, 79.5928, 62.8666
YIQ	231.1370, 27.2350, -3.4930

# Conversions

## Conversions Part 2

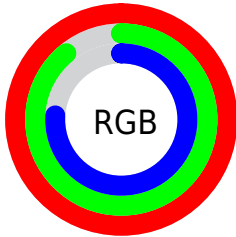
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 255, 195
Decimal	16769731
CIE Lab	91.50, 5.32, 18.81
CIE LCh	92, 19.547, 74.204
Yxy	79.5928, 0.3546, 0.3606
Android (android.graphics.Color)	4294959811 (0xFFFFE2C3)
YUV	231.1370, -17.8155, 20.9279
Hunter-Lab	89.2148, 0.5093, 20.6707

# Details

The XYZ color **78.2867, 79.5928, 62.8666** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.2107, 72.1314, 104.9881**, and the grayscale version is **76.1735, 80.1405, 87.2730**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **42.6593, 43.0547, 31.2613** is the 20% darker color. If you saturate the color by 10%, you get **72.4152, 72.0765, 47.8791**, and if you desaturate by 10%, it is **84.8953, 87.7947, 80.5308**.

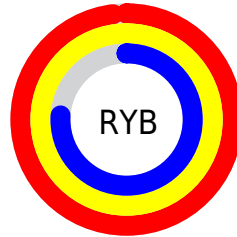
# Distribution



Red (100%)

Green (89%)

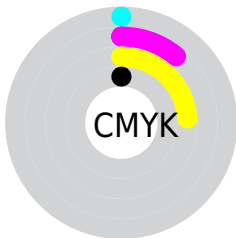
Blue (76%)



Red (98%)

Yellow (100%)

Blue (76%)

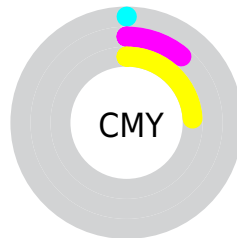


Cyan (0%)

Magenta (11%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2867, 79.5928, 62.8666 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 78.2867, 79.5928, 62.8666 by changing the saturation by 10% instead.



78.2867, 79.5928,  
62.8666

78.2867, 79.5928,  
62.8666

477.9649,  
493.5595, 453.1798

58.6131, 59.3833,  
45.2930

129.9174,  
132.7931, 110.5607

42.5469, 42.9218,  
31.3436

162.6053,  
166.5527, 141.5184

29.7228, 29.8237,  
20.6000

200.3620,  
205.5978, 177.7744

19.7753, 19.7048,  
12.6435

243.5528,  
250.3127, 219.7474

12.3391, 12.1807,  
7.0557

292.5432,  
301.0820, 267.8559

7.0489, 6.8668,  
3.4180

347.6984,

3.5393, 3.3790,

358.2900, 322.5184

1.3118

409.3838,  
422.3210, 384.1536

■ 1.4450, 1.3326,  
0.0715

■ 0.2879, 0.1663,  
0.0000

■ 78.2867, 79.5928,  
62.8666

■ 78.2867, 79.5928,  
62.8666

■ 72.4152, 72.0765,  
47.8791

■ 84.8953, 87.7947,  
80.5308

■ 67.2450, 65.2153,  
35.4299

■ 92.2633, 96.6909,  
100.9907

■ 62.7457, 58.9915,  
25.3758

95.0500, 100.0000,  
108.9000

■ 58.8818, 53.3822,  
17.5568

■ 55.6140, 48.3629,  
11.7933

■ 52.8975, 43.9063,  
7.8774

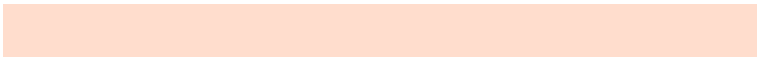
■ 50.6785, 39.9812,  
5.5562

■ 49.4604, 37.7009,  
4.6701

# Harmonies

## Analogous

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



82.7233, 79.5928, 68.9175



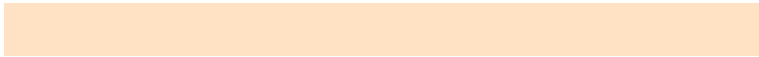
78.2867, 79.5928, 62.8666



73.3256, 79.5928, 62.7076

# Triad

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



78.2867, 79.5928, 62.8666



66.7439, 79.5928, 93.5665



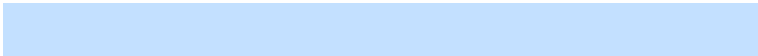
82.5238, 79.5928, 107.8417

# Complementary

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



78.2867, 79.5928, 62.8666



67.2107, 72.1314, 104.9881

# Split Complementary

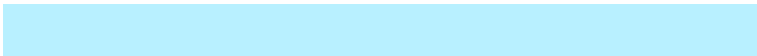
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0241, 79.5928, 116.0534



78.2867, 79.5928, 62.8666



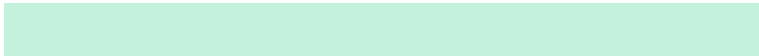
68.9930, 79.5928, 107.2198

# Square

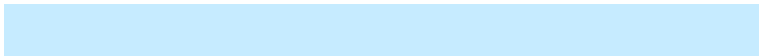
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2867, 79.5928, 62.8666



66.8072, 79.5928, 79.4116



73.0743, 79.5928, 115.8141

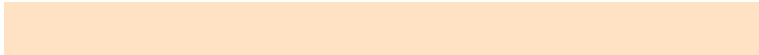


85.2418, 79.5928, 94.3430



# Rectangle

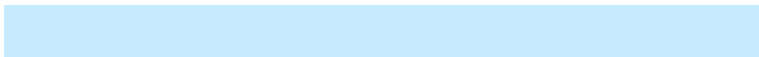
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2867, 79.5928, 62.8666



70.3954, 79.5928, 65.9071



73.0743, 79.5928, 115.8141



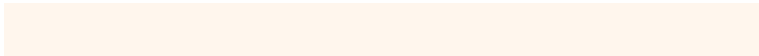
81.1610, 79.5928, 111.3746

# Sweetspot

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



78.2886, 79.5963, 62.8683



89.6177, 93.5225, 93.5640



74.2102, 65.6729, 79.2865



19.0855, 19.9016, 19.7577



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.



78.2886, 79.5963, 62.8683



75.5735, 76.1512, 55.8434



86.4836, 96.5311, 65.7051



18.7858, 19.5398, 18.9258



25.9945, 20.0002, 2.4904

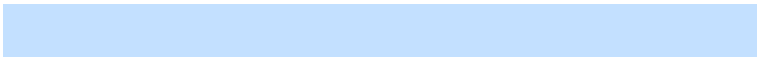


2.6404, 2.1662, 0.2790



# Inverse Universe

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



67.2107, 72.1314, 104.9881



62.8198, 67.5576, 104.3367



60.3310, 57.9871, 102.6206



17.7274, 18.8265, 22.9495



13.2952, 11.5000, 50.9536

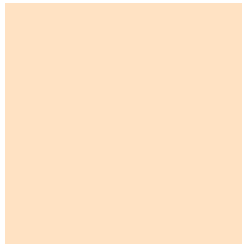


1.4033, 1.3372, 4.9974



# Previews

## White Background



This preview shows how the XYZ color 78.2867, 79.5928, 62.8666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

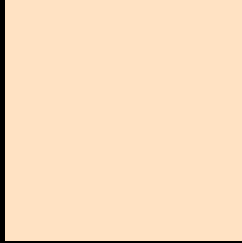
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2867, 79.5928, 62.8666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

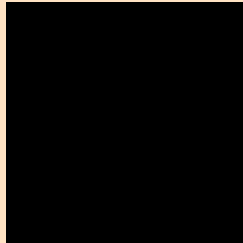
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.2867, 79.5928, 62.8666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.2867, 79.5928, 62.8666.



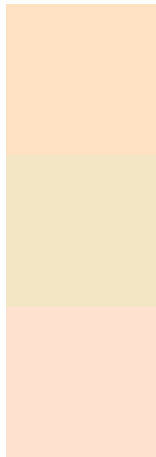
This preview shows how white text looks on a background with the XYZ color 78.2867, 79.5928,

62.8666.

# 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

78.2867, 79.5928, 62.8666

### Protanopia

75.3370, 79.6795, 64.2323

### Deuteranopia

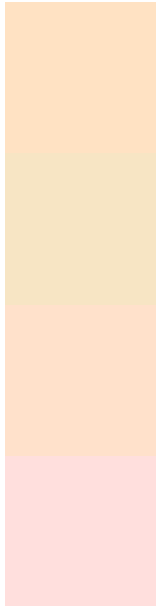
79.5504, 79.6645, 70.8585



## Tritanopia

82.5016, 79.5587, 90.3649

# Trichromacy



## Original Color

78.2867, 79.5928, 62.8666

## Protanomaly

76.3409, 79.7983, 63.6036

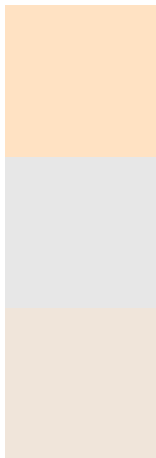
## Deuteranomaly

78.9447, 79.4222, 67.6691

## Tritanomaly

80.6788, 79.2558, 79.4523

# Monochromacy



## Original Color

78.2867, 79.5928, 62.8666

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.6094, 79.6258, 77.6612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2867, 79.5928, 62.8666 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, 226, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 195)  
}
```

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, 226, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2867, 79.5928, 62.8666 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, 226, 195) }
```



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

```
.border{ border-color:rgb(255, 226, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2867, 79.5928, 62.8666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 195) }
```

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

```
.background{ background-color: rgb(255,  
226, 195) }
```

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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