

# Converting Colors

XYZ(77.2300, 77.4656, 62.5573)

Have a look what the booklet for  
XYZ(77.2300, 77.4656, 62.5573)  
contains.

<b>XYZ(77.2116, 77.4427, 62.5082)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(77.2116, 77.4427,  
62.5082)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDEC3
RGB	255, 222, 195
RGB Percent	100%, 87%, 76%
CMY	0.0000, 0.1294, 0.2353
CMYK	0.00, 0.13, 0.24, 0.00
HSL	27°, 100%, 88%
HSV	27°, 24%, 100%
XYZ	77.2116, 77.4427, 62.5082
YIQ	228.7890, 28.3350, -1.4010

# Conversions

## Conversions Part 2

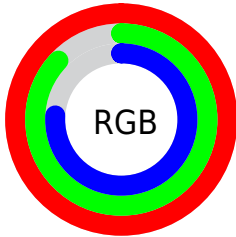
Format	Color
R <sub>Y</sub> B	255, 244, 195
Decimal	16768707
CIE Lab	90.52, 7.38, 17.44
CIE LCh	91, 18.937, 67.076
Yxy	77.4427, 0.3555, 0.3566
Android (android.graphics.Color)	4294958787 (0xFFFFDEC3)
YUV	228.7890, -16.6580, 22.9870
Hunter-Lab	88.0015, 2.6113, 19.4869

# Details

The XYZ color **77.2116, 77.4427, 62.5082** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.2983, 74.3066, 105.3506**, and the grayscale version is **74.4267, 78.3027, 85.2716**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **41.9151, 41.5663, 31.0132** is the 20% darker color. If you saturate the color by 10%, you get **71.0005, 69.2472, 47.4075**, and if you desaturate by 10%, it is **84.2287, 86.4616, 80.3085**.

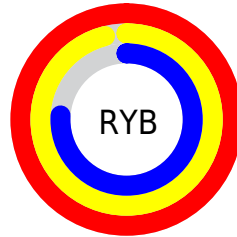
# Distribution



Red (100%)

Green (87%)

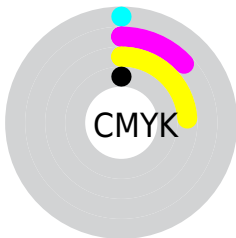
Blue (76%)



Red (100%)

Yellow (96%)

Blue (76%)

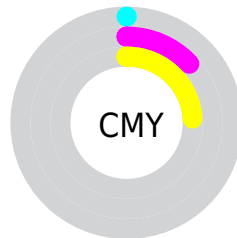


Cyan (0%)

Magenta (13%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2116, 77.4427, 62.5082 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 77.2116, 77.4427, 62.5082 by changing the saturation by 10% instead.



77.2116, 77.4427,  
62.5082

77.2116, 77.4427,  
62.5082

474.3661,  
486.2721, 451.8412

57.7271, 57.6163,  
45.0050

128.4094,  
129.7642, 110.0384

41.8317, 41.5002,  
31.1184

160.8534,  
163.0281, 140.9025

29.1601, 28.7102,  
20.4298

198.3479,  
201.5399, 177.0573

19.3468, 18.8617,  
12.5207

241.2583,  
245.6841, 218.9214

12.0266, 11.5704,  
6.9725

289.9500,  
295.8450, 266.9133

6.8342, 6.4519,  
3.3667

344.7883,

3.4040, 3.1217,

352.4070, 321.4515

1.2848

406.1385,  
415.7546, 382.9546

■ 1.3708, 1.1956,  
0.0493

■ 0.2353, 0.0581,  
0.0000

■ 77.2116, 77.4427,  
62.5082

■ 77.2116, 77.4427,  
62.5082

■ 71.0005, 69.2472,  
47.4075

■ 84.2287, 86.4616,  
80.3085

■ 65.5573, 61.8399,  
34.8673

■ 92.0765, 96.3173,  
100.9283

■ 60.8487, 55.1975,  
24.7434

95.0500, 100.0000,  
108.9000

■ 56.8367, 49.2921,  
16.8750

■ 53.4791, 44.0930,  
11.0816

■ 50.7278, 39.5669,  
7.1542

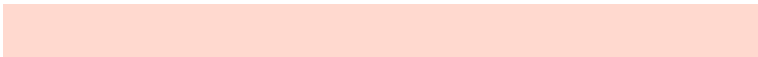
■ 48.5259, 35.6760,  
4.8387

■ 47.3449, 33.4697,  
3.9650

# Harmonies

## Analogous

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



81.1148, 77.4427, 69.5544



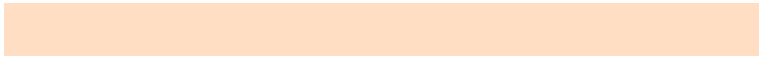
77.2116, 77.4427, 62.5082



72.4907, 77.4427, 60.9961

# Triad

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



77.2116, 77.4427, 62.5082



64.9339, 77.4427, 87.5761



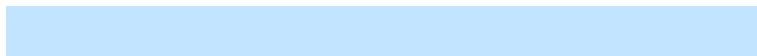
79.2352, 77.4427, 106.8904

# Complementary

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



77.2116, 77.4427, 62.5082



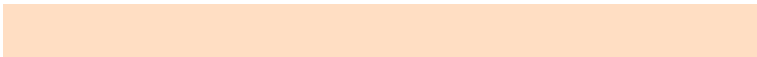
68.2983, 74.3066, 105.3506

# 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.



74.7346, 77.4427, 112.9448



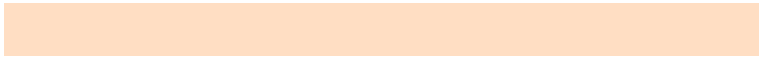
77.2116, 77.4427, 62.5082



66.5773, 77.4427, 101.0444

# Square

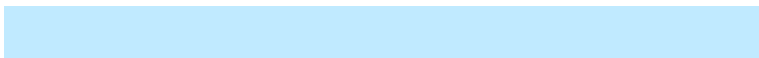
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2116, 77.4427, 62.5082



65.5335, 77.4427, 74.5651



70.1163, 77.4427, 110.6983



82.3177, 77.4427, 94.8947



# Rectangle

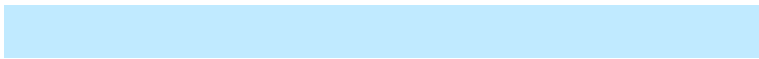
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2116, 77.4427, 62.5082



69.5388, 77.4427, 63.1647



70.1163, 77.4427, 110.6983



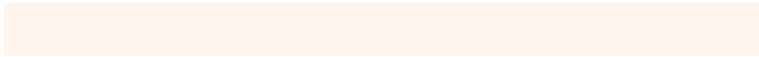
77.8307, 77.4427, 109.7434

# Sweetspot

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



77.2135, 77.4461, 62.5098



89.2561, 92.7995, 93.4435



74.7592, 65.8925, 82.1776



19.0018, 19.7342, 19.7298



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.



77.2135, 77.4461, 62.5098



74.3382, 73.6807, 55.4316



85.9010, 94.8211, 65.4056



18.6826, 19.3334, 18.8914



24.8829, 17.7771, 2.1199

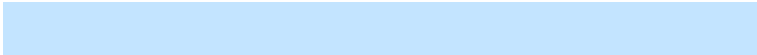


2.5300, 1.9454, 0.2422

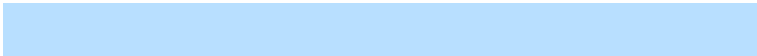


# Inverse Universe

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



68.2983, 74.3066, 105.3506



64.0727, 70.0635, 104.7544



60.7506, 59.2113, 102.8348



17.8311, 19.0338, 22.9840



14.5005, 13.9105, 51.3553

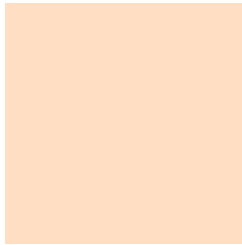


1.5210, 1.5727, 5.0367



# Previews

## White Background



This preview shows how the XYZ color 77.2116, 77.4427, 62.5082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

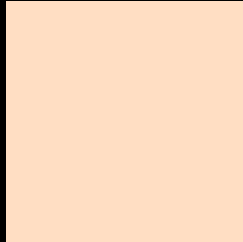
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2116, 77.4427, 62.5082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

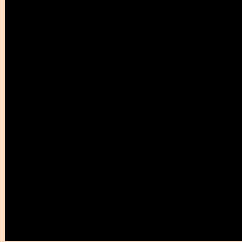
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.2116, 77.4427, 62.5082

## Background



This preview shows how black text looks on a background with the XYZ color 77.2116, 77.4427, 62.5082.



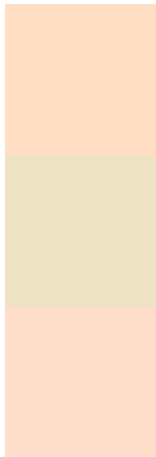
This preview shows how white text looks on a background with the XYZ color 77.2116, 77.4427,



# 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

77.2116, 77.4427, 62.5082

### Protanopia

73.2587, 77.3661, 64.4981

### Deuteranopia

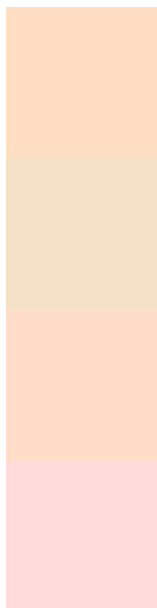
77.8759, 77.2847, 67.3128



## Tritanopia

81.0194, 77.2860, 87.7383

# Trichromacy



## Original Color

77.2116, 77.4427, 62.5082

## Protanomaly

74.6594, 77.2941, 63.8076

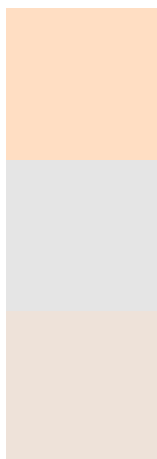
## Deuteranomaly

77.5218, 77.1430, 65.4478

## Tritanomaly

79.3577, 77.0375, 77.7050

# Monochromacy



## Original Color

77.2116, 77.4427, 62.5082

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.9806, 77.5796, 76.6681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2116, 77.4427, 62.5082 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, 222, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 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, 222, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2116, 77.4427, 62.5082 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, 222, 195) }
```



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

```
.border{ border-color:rgb(255, 222, 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, 222, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2116, 77.4427, 62.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 195) }
```

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

```
.background{ background-color: rgb(255,  
222, 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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