

# Converting Colors

XYZ(76.7922, 76.5358, 62.5781)

Have a look what the booklet for  
XYZ(76.7922, 76.5358, 62.5781)  
contains.

<b>XYZ(76.6835, 76.3865, 62.3322)</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(76.6835, 76.3865,  
62.3322)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDCC3
RGB	255, 220, 195
RGB Percent	100%, 86%, 76%
CMY	0.0000, 0.1372, 0.2353
CMYK	0.00, 0.14, 0.24, 0.00
HSL	25°, 100%, 88%
HSV	25°, 24%, 100%
XYZ	76.6835, 76.3865, 62.3322
YIQ	227.6150, 28.8850, -0.3550

# Conversions

## Conversions Part 2

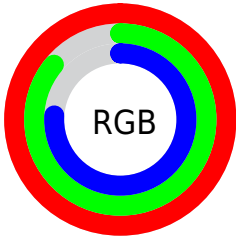
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 238, 195
Decimal	16768195
CIE Lab	90.04, 8.41, 16.76
CIE LCh	90, 18.749, 63.360
Yxy	76.3865, 0.3560, 0.3546
Android (android.graphics.Color)	4294958275 (0xFFFFDCC3)
YUV	227.6150, -16.0792, 24.0166
Hunter-Lab	87.3994, 3.6656, 18.8946

# Details

The XYZ color **76.6835, 76.3865, 62.3322** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.8517, 75.4135, 105.5351**, and the grayscale version is **73.5621, 77.3930, 84.2810**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **41.5516, 40.8391, 30.8920** is the 20% darker color. If you saturate the color by 10%, you get **70.3119, 67.8700, 47.1780**, and if you desaturate by 10%, it is **83.8986, 85.8014, 80.1985**.

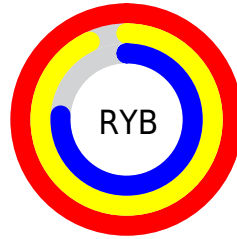
# Distribution



Red (100%)

Green (86%)

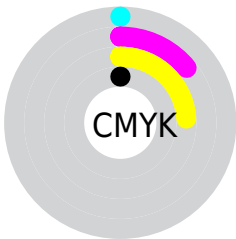
Blue (76%)



Red (100%)

Yellow (93%)

Blue (76%)

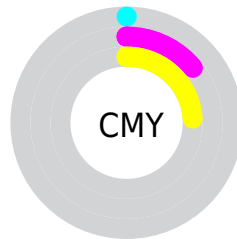


Cyan (0%)

Magenta (14%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6835, 76.3865, 62.3322 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 76.6835, 76.3865, 62.3322 by changing the saturation by 10% instead.




 76.6835, 76.3865,  
62.3322

 76.6835, 76.3865,  
62.3322


472.5927,  
482.6697, 451.1829

 57.2922, 56.7495,  
44.8637


127.6678,  
128.2731, 109.7818

 41.4809, 40.8042,  
31.0079


159.9915,  
161.2915, 140.5999

 28.8844, 28.1661,  
20.3463


197.3567,  
199.5391, 176.7049

 19.1372, 18.4509,  
12.4605

240.1288,  
243.4004, 218.5154

 11.8741, 11.2742,  
6.9318

288.6731,  
293.2597, 266.4499

 6.7296, 6.2516,  
3.3417

343.3549,

 3.3384, 2.9986,

349.5014, 320.9269

1.2716

404.5397,  
412.5100, 382.3651

■ 1.3351, 1.1310,  
0.0384

■ 0.2093, 0.0043,  
0.0000

■ 76.6835, 76.3865,  
62.3322

■ 76.6835, 76.3865,  
62.3322

■ 70.3119, 67.8700,  
47.1780

■ 83.8986, 85.8014,  
80.1985

■ 64.7441, 60.2136,  
34.5963

■ 91.9834, 96.1310,  
100.8973

■ 59.9455, 53.3911,  
24.4423

95.0500, 100.0000,  
108.9000

■ 55.8762, 47.3709,  
16.5548

■ 52.4921, 42.1190,  
10.7526

■ 49.7433, 37.5979,  
6.8260

■ 47.5708, 33.7659,  
4.5203

■ 46.4221, 31.6243,  
3.6574

# Harmonies

## Analogous

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



80.3244, 76.3865, 69.8794



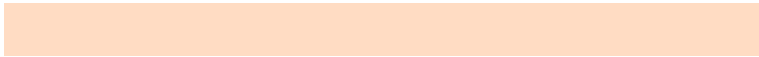
76.6835, 76.3865, 62.3322



72.0807, 76.3865, 60.1531

# Triad

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



76.6835, 76.3865, 62.3322



64.0438, 76.3865, 84.6806



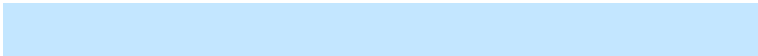
77.6280, 76.3865, 106.4275

# Complementary

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



76.6835, 76.3865, 62.3322



68.8517, 75.4135, 105.5351

# 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.



73.1280, 76.3865, 111.4212



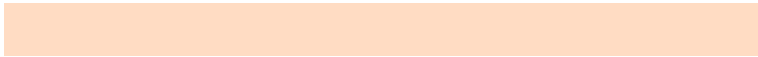
76.6835, 76.3865, 62.3322



65.3931, 76.3865, 98.0515

# Square

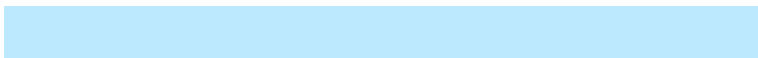
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6835, 76.3865, 62.3322



64.9060, 76.3865, 72.2177



68.6700, 76.3865, 108.2049



80.8858, 76.3865, 95.1813



# Rectangle

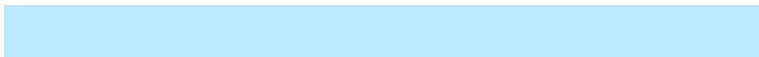
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6835, 76.3865, 62.3322



69.1177, 76.3865, 61.8228



68.6700, 76.3865, 108.2049



76.2037, 76.3865, 108.9444

# Sweetspot

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



76.6854, 76.3899, 62.3338



89.0762, 92.4396, 93.3835



75.0385, 66.0042, 83.6486



18.9601, 19.6510, 19.7160



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.



76.6854, 76.3899, 62.3338



73.7338, 72.4718, 55.2301



85.2762, 93.5715, 65.1974



18.6313, 19.2308, 18.8743



24.3958, 16.8029, 1.9575

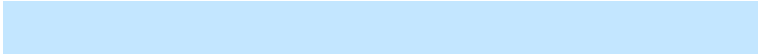


2.4802, 1.8458, 0.2256

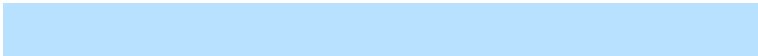


# Inverse Universe

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



68.8517, 75.4135, 105.5351



64.7126, 71.3434, 104.9677



61.2108, 60.1316, 102.9882



17.8833, 19.1382, 23.0014



15.1757, 15.2610, 51.5804

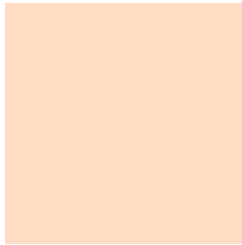


1.5856, 1.7018, 5.0582



# Previews

## White Background



This preview shows how the XYZ color 76.6835, 76.3865, 62.3322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

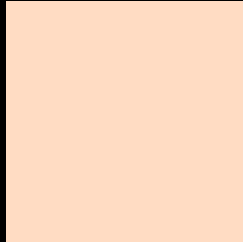
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6835, 76.3865, 62.3322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

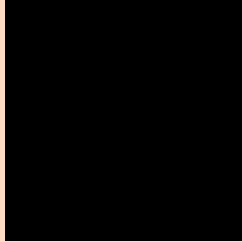
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.6835, 76.3865, 62.3322**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6835, 76.3865, 62.3322.



This preview shows how white text looks on a background with the XYZ color 76.6835, 76.3865,



# 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

76.6835, 76.3865, 62.3322

### Protanopia

72.3145, 76.4745, 64.3757

### Deuteranopia

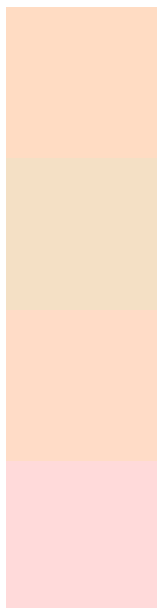
77.3758, 76.6634, 65.9777



## Tritanopia

80.4767, 76.6552, 86.1557

# Trichromacy



## Original Color

76.6835, 76.3865, 62.3322

## Protanomaly

74.0419, 76.5756, 63.7015

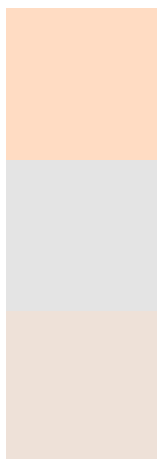
## Deuteranomaly

77.1420, 76.5699, 64.7465

## Tritanomaly

78.9663, 76.4648, 76.9269

# Monochromacy



## Original Color

76.6835, 76.3865, 62.3322

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.5798, 76.9854, 75.8946

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6835, 76.3865, 62.3322 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, 220, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 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, 220, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6835, 76.3865, 62.3322 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, 220, 195) }
```



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

```
.border{ border-color:rgb(255, 220, 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, 220, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 220, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 220, 195); box-shadow:4px 4px 4px 4px rgb(255, 220, 195) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6835, 76.3865, 62.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 195) }
```

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

```
.background{ background-color: rgb(255,  
220, 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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