

# Converting Colors

XYZ(77.2510, 76.3070, 66.2654)

Have a look what the booklet for  
XYZ(77.2510, 76.3070, 66.2654)  
contains.

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# **Color**

**XYZ(77.2322, 76.1873,  
66.5122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBCA
RGB	255, 219, 202
RGB Percent	100%, 86%, 79%
CMY	0.0000, 0.1412, 0.2078
CMYK	0.00, 0.14, 0.21, 0.00
HSL	19°, 100%, 90%
HSV	19°, 21%, 100%
XYZ	77.2322, 76.1873, 66.5122
YIQ	227.8260, 26.9130, 2.3450

# Conversions

## Conversions Part 2

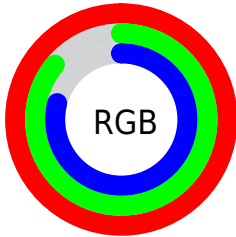
Format	Color
R <sub>Y</sub> B	255, 227, 202
Decimal	16767946
CIE Lab	89.95, 9.91, 12.97
CIE LCh	90, 16.322, 52.607
Yxy	76.1873, 0.3512, 0.3464
Android (android.graphics.Color)	4294958026 (0xFFFFDBCA)
YUV	227.8260, -12.7322, 23.8316
Hunter-Lab	87.2853, 5.1918, 15.9202

# Details

The XYZ color **77.2322, 76.1873, 66.5122** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.9808, 80.9233, 106.3810**, and the grayscale version is **73.6935, 77.5313, 84.4316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9095, 40.6948, 33.6630** is the 20% darker color. If you saturate the color by 10%, you get **70.1736, 66.5092, 50.4741**, and if you desaturate by 10%, it is **85.2635, 87.0118, 85.3377**.

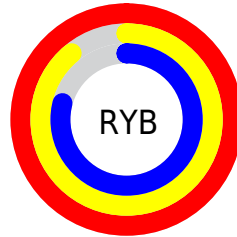
# Distribution



Red (100%)

Green (86%)

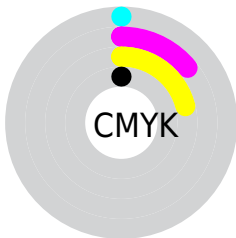
Blue (79%)



Red (100%)

Yellow (89%)

Blue (79%)

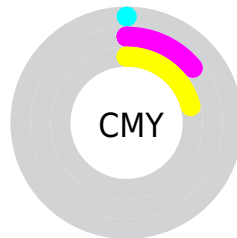


Cyan (0%)

Magenta (14%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2322, 76.1873, 66.5122 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 77.2322, 76.1873, 66.5122 by changing the saturation by 10% instead.




 77.2322, 76.1873,  
66.5122

 77.2322, 76.1873,  
66.5122


474.4352,  
481.9886, 466.6606

 57.7441, 56.5861,  
48.2292


128.4383,  
127.9916, 115.8552

 41.8454, 40.6730,  
33.6472


160.8870,  
160.9636, 147.7522

 29.1708, 28.0637,  
22.3475


198.3865,  
199.1612, 185.0244

 19.3550, 18.3737,  
13.9117

241.3024,  
242.9689, 228.0902

 12.0326, 11.2186,  
7.9212

289.9998,  
292.7711, 277.3682

 6.8382, 6.2141,  
3.9575

344.8441,

 3.4066, 2.9757,

348.9522, 333.2769

1.6021

406.2008,  
411.8966, 396.2348

■ 1.3722, 1.1190,  
0.2923

■ 0.2363, 0.0000,  
0.0000

■ 77.2322, 76.1873,  
66.5122

■ 77.2322, 76.1873,  
66.5122

■ 70.1736, 66.5092,  
50.4741

■ 85.2635, 87.0118,  
85.3377

■ 64.0434, 57.9291,  
37.0849

■ 94.2985, 99.0091,  
107.0706

■ 58.8019, 50.4097,  
26.2014

■ 95.0500, 100.0000,  
108.9000

■ 54.4041, 43.9077,  
17.6647

■ 50.8006, 38.3764,  
11.2974

■ 47.9361, 33.7652,  
6.8967

■ 45.7467, 30.0178,  
4.2201

■ 44.2435, 27.2670,  
2.9312

# Harmonies

## Analogous

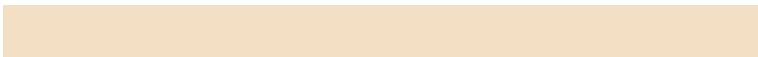
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8210, 76.1873, 74.6971



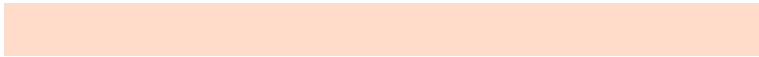
77.2322, 76.1873, 66.5122



73.4175, 76.1873, 62.7988

# Triad

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



77.2322, 76.1873, 66.5122



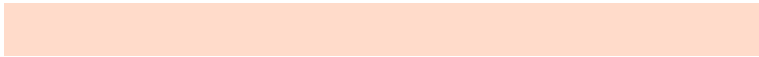
64.9833, 76.1873, 80.1263



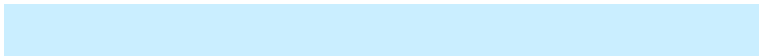
75.4397, 76.1873, 105.2239

# Complementary

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



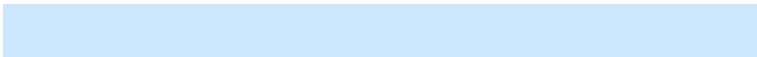
77.2322, 76.1873, 66.5122



72.9808, 80.9233, 106.3810

# 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.



71.4192, 76.1873, 107.0195



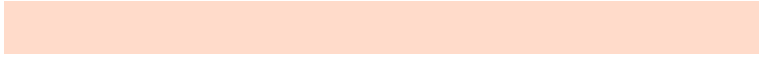
77.2322, 76.1873, 66.5122



65.4796, 76.1873, 91.8002

# Square

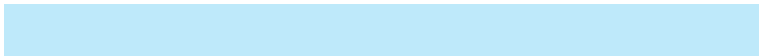
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2322, 76.1873, 66.5122



66.4183, 76.1873, 70.1701



67.8000, 76.1873, 101.9063



78.7595, 76.1873, 97.2055

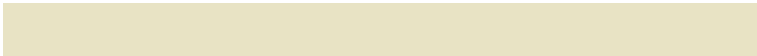


# Rectangle

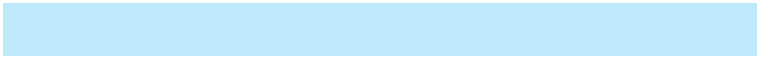
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2322, 76.1873, 66.5122



70.7322, 76.1873, 63.0910



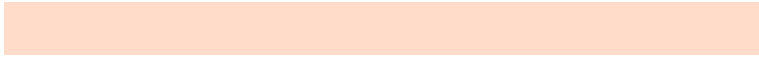
67.8000, 76.1873, 101.9063



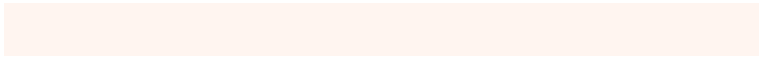
74.1217, 76.1873, 106.6038

# Sweetspot

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



77.2340, 76.1906, 66.5138



89.4579, 92.6019, 95.3636



77.8255, 69.6877, 90.4056



19.0222, 19.6538, 20.1102



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

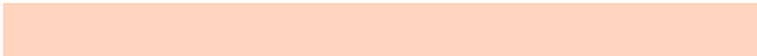


# Same Dimension

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



77.2340, 76.1906, 66.5138



74.1411, 71.9718, 59.4189



84.6392, 91.0009, 68.9822



18.4851, 18.9384, 18.8255



23.2370, 14.4851, 1.5712

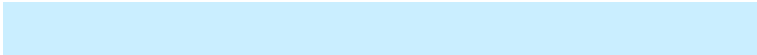


2.3564, 1.5981, 0.1843

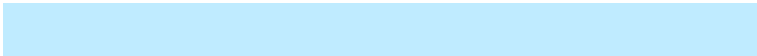


# Inverse Universe

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



72.9808, 80.9233, 106.3810



69.1772, 77.4857, 105.9180



65.8807, 66.7229, 104.0143



18.0347, 19.4409, 23.0519



17.3992, 19.7079, 52.3216

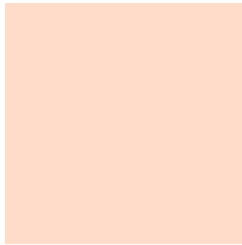


1.7930, 2.1167, 5.1273



# Previews

## White Background



This preview shows how the XYZ color 77.2322, 76.1873, 66.5122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

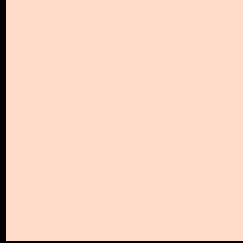
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2322, 76.1873, 66.5122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

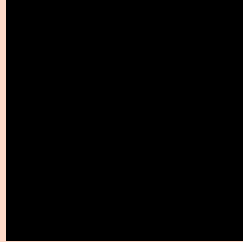
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.2322, 76.1873, 66.5122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2322, 76.1873, 66.5122.



This preview shows how white text looks on a background with the XYZ color 77.2322, 76.1873,



# 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

77.2322, 76.1873, 66.5122

### Protanopia

72.4768, 76.4627, 68.6964

### Deuteranopia

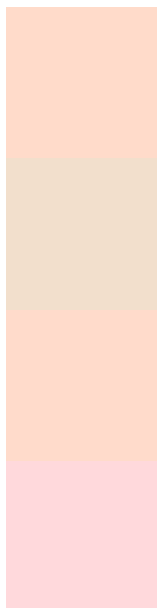
77.4706, 76.2827, 67.7676



## Tritanopia

80.2197, 76.1413, 86.0700

# Trichromacy



## Original Color

77.2322, 76.1873, 66.5122

## Protanomaly

73.9047, 76.0122, 67.9034

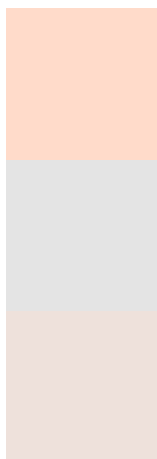
## Deuteranomaly

77.3510, 76.2348, 67.1379

## Tritanomaly

78.9711, 76.0530, 78.2276

# Monochromacy



## Original Color

77.2322, 76.1873, 66.5122

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.9713, 77.1420, 77.9563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2322, 76.1873, 66.5122 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, 219, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 202)  
}
```

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, 219, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2322, 76.1873, 66.5122 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, 219, 202) }
```



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

```
.border{ border-color:rgb(255, 219, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 219, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2322, 76.1873, 66.5122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 202) }
```

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

```
.background{ background-color: rgb(255,  
219, 202) }
```

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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