

# Converting Colors

XYZ(76.7965, 77.5071, 60.2818)

Have a look what the booklet for  
XYZ(76.7965, 77.5071, 60.2818)  
contains.

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# **Color**

**XYZ(77.0316, 77.7969,  
60.2465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFBF
RGB	255, 223, 191
RGB Percent	100%, 87%, 75%
CMY	0.0000, 0.1255, 0.2510
CMYK	0.00, 0.13, 0.25, 0.00
HSL	30°, 100%, 87%
HSV	30°, 25%, 100%
XYZ	77.0316, 77.7969, 60.2465
YIQ	228.9200, 29.3440, -3.1680

# Conversions

## Conversions Part 2

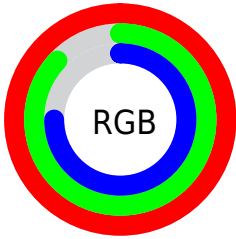
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 255, 191
Decimal	16768959
CIE <sub>Lab</sub>	90.69, 6.31, 19.75
CIE <sub>LCh</sub>	91, 20.735, 72.271
Yxy	77.7969, 0.3582, 0.3617
Android (android.graphics.Color)	4294959039 (0xFFFFDFBF)
YUV	228.9200, -18.6946, 22.8722
Hunter-Lab	88.2026, 1.5383, 21.2439

# Details

The XYZ color **77.0316, 77.7969, 60.2465** is a light color, and the websafe version is hex **FFCC99**, and the color name is **very pale orange**. A complement of this color would be **65.9228, 71.0695, 104.8510**, and the grayscale version is **74.5370, 78.4187, 85.3980**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **41.8067, 41.8172, 29.5350** is the 20% darker color. If you saturate the color by 10%, you get **71.1878, 70.2158, 45.6382**, and if you desaturate by 10%, it is **83.6244, 86.0933, 77.5166**.

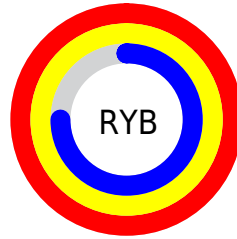
# Distribution



Red (100%)

Green (87%)

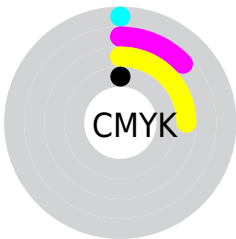
Blue (75%)



Red (100%)

Yellow (100%)

Blue (75%)

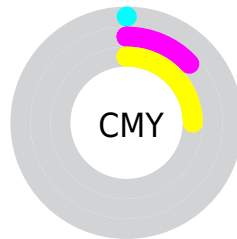


Cyan (0%)

Magenta (13%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0316, 77.7969, 60.2465 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 77.0316, 77.7969, 60.2465 by changing the saturation by 10% instead.





 77.0316, 77.7969,  
60.2465

 77.0316, 77.7969,  
60.2465


473.7620,  
487.4768, 443.3356

 57.5788, 57.9072,  
43.1908


 128.1567,  
130.2638, 106.7340

 41.7121, 41.7340,  
29.7023


160.5597,  
163.6097, 137.0029

 29.0660, 28.8931,  
19.3626

198.0102,  
202.2098, 172.5132

 19.2753, 18.9999,  
11.7531

240.8735,  
246.4485, 213.6836

 11.9746, 11.6702,  
6.4553

289.5150,  
296.7101, 260.9324

 6.7984, 6.5196,  
3.0506

344.3000,

 3.3816, 3.1635,

353.3791, 314.6783

1.1205

405.5939,  
416.8399, 375.3399

■ 1.3586, 1.2177,  
0.0000

■ 0.2264, 0.0761,  
0.0000

■ 77.0316, 77.7969,  
60.2465

■ 77.0316, 77.7969,  
60.2465

■ 71.1878, 70.2158,  
45.6382

■ 83.6244, 86.0933,  
77.5166

■ 66.0561, 63.3183,  
33.5517

■ 90.9892, 95.1148,  
97.5692

■ 61.6053, 57.0851,  
23.8413

95.0500, 100.0000,  
108.9000

■ 57.7986, 51.4920,  
16.3442

■ 54.5954, 46.5127,  
10.8769

■ 51.9490, 42.1182,  
7.2255

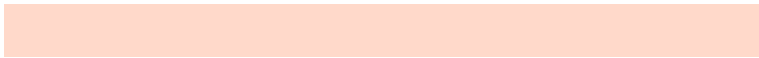
■ 49.8030, 38.2748,  
5.1270

■ 48.8969, 36.5738,  
4.4823

# Harmonies

## Analogous

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



81.5950, 77.7969, 66.8630



77.0316, 77.7969, 60.2465



71.8381, 77.7969, 59.6857

# Triad

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



77.0316, 77.7969, 60.2465



64.5939, 77.7969, 90.9429



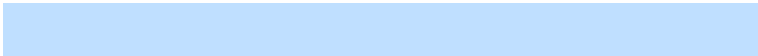
80.8778, 77.7969, 107.7227

# Complementary

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



77.0316, 77.7969, 60.2465



65.9228, 71.0695, 104.8510

# Split Complementary

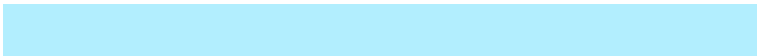
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0899, 77.7969, 115.8963



77.0316, 77.7969, 60.2465



66.7862, 77.7969, 105.4743

# Square

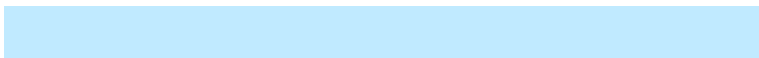
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0316, 77.7969, 60.2465



64.8195, 77.7969, 76.2802



70.9393, 77.7969, 115.0283



83.8862, 77.7969, 93.7339



# Rectangle

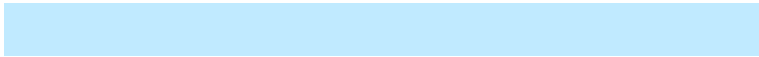
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0316, 77.7969, 60.2465



68.7306, 77.7969, 62.7213



70.9393, 77.7969, 115.0283



79.4138, 77.7969, 111.3113

# Sweetspot

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



77.0335, 77.8004, 60.2481



88.7701, 92.4200, 91.4548



73.1906, 63.8501, 78.2794



18.7599, 19.4880, 18.9171



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.



77.0335, 77.8004, 60.2481



74.0763, 73.9947, 52.7613



86.4042, 96.5417, 63.3717



18.7599, 19.4880, 18.9171



25.6990, 19.4092, 2.3919

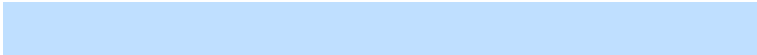


2.6114, 2.1082, 0.2693



# Inverse Universe

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



65.9228, 71.0695, 104.8510



61.2718, 66.2378, 104.1636



58.1675, 55.5590, 102.2659



17.7533, 18.8782, 22.9581



13.5788, 12.0672, 51.0481

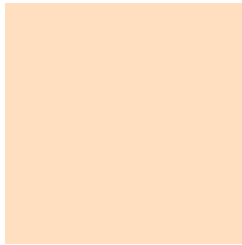


1.4313, 1.3933, 5.0068



# Previews

## White Background



This preview shows how the XYZ color 77.0316, 77.7969, 60.2465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

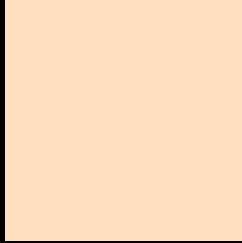
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0316, 77.7969, 60.2465 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 77.0316, 77.7969, 60.2465**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.0316, 77.7969, 60.2465.



This preview shows how white text looks on a background with the XYZ color 77.0316, 77.7969,



# 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

77.0316, 77.7969, 60.2465

### Protanopia

73.6447, 78.0378, 61.6334

### Deuteranopia

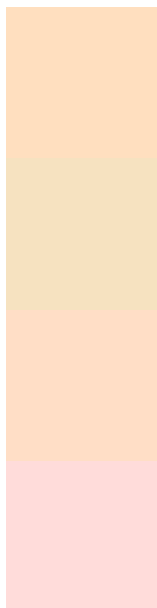
78.0219, 77.7668, 66.7754



## Tritanopia

81.2795, 77.8062, 87.8250

# Trichromacy



## Original Color

77.0316, 77.7969, 60.2465

## Protanomaly

74.7168, 77.7913, 60.9464

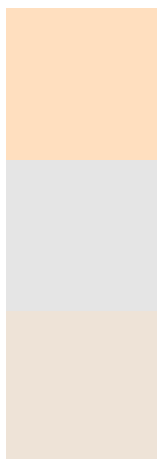
## Deuteranomaly

77.5543, 77.5798, 64.3129

## Tritanomaly

79.4881, 77.5084, 77.1008

# Monochromacy



## Original Color

77.0316, 77.7969, 60.2465

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.9947, 78.0216, 75.3970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0316, 77.7969, 60.2465 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, 223, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 191)  
}
```

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, 223, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0316, 77.7969, 60.2465 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, 223, 191) }
```



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

```
.border{ border-color:rgb(255, 223, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0316, 77.7969, 60.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 191) }
```

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

```
.background{ background-color: rgb(255,  
223, 191) }
```

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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