

# Converting Colors

XYZ(121.9250, 100.0000,  
65.5602)

Have a look what the booklet for  
XYZ(121.9250, 100.0000, 65.5602)  
contains.

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# Color

**XYZ(77.1745, 77.0041,  
63.6191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDC5
RGB	255, 221, 197
RGB Percent	100%, 87%, 77%
CMY	0.0000, 0.1333, 0.2274
CMYK	0.00, 0.13, 0.23, 0.00
HSL	25°, 100%, 89%
HSV	25°, 23%, 100%
XYZ	77.1745, 77.0041, 63.6191
YIQ	228.4300, 27.9680, -0.2560

# Conversions

## Conversions Part 2

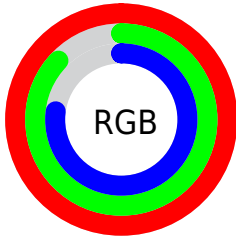
Format	Color
<a href="#">RYB</a>	<a href="#">255, 238, 197</a>
Decimal	<a href="#">16768453</a>
CIELab	<a href="#">90.32, 8.17, 16.12</a>
CIELCh	<a href="#">90, 18.068, 63.117</a>
Yxy	<a href="#">77.0041, 0.3543, 0.3536</a>
Android (android.graphics.Color)	<a href="#">4294958533 (0xFFFFDDC5)</a>
YUV	<a href="#">228.4300, -15.4950, 23.3019</a>
Hunter-Lab	<a href="#">87.7520, 3.4179, 18.4419</a>

# Details

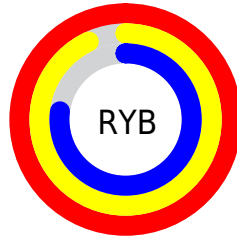
The XYZ color **77.1745, 77.0041, 63.6191** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.6511, 76.2399, 105.6525**, and the grayscale version is **74.1549, 78.0167, 84.9602**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **41.8828, 41.2614, 31.7434** is the 20% darker color. If you saturate the color by 10%, you get **70.7244, 68.3911, 48.2525**, and if you desaturate by 10%, it is **84.4739, 86.5243, 81.7090**.

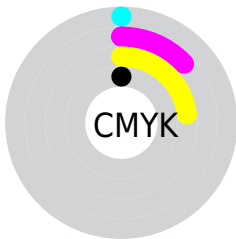
# Distribution



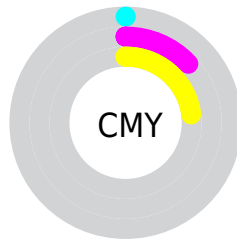
- Red (100%)
- Green (87%)
- Blue (77%)



- Red (100%)
- Yellow (93%)
- Blue (77%)



- Cyan (0%)
- Magenta (13%)
- Yellow (23%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1745, 77.0041, 63.6191 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 77.1745, 77.0041, 63.6191 by changing the saturation by 10% instead.



77.1745, 77.0041,  
63.6191

77.1745, 77.0041,  
63.6191

474.2416,  
484.7780, 455.9825

57.6965, 57.2562,  
45.8980

128.3573,  
129.1453, 111.6564

41.8070, 41.2110,  
31.8173

160.7929,  
162.3074, 142.8097

29.1407, 28.4840,  
20.9583

198.2783,  
200.7097, 179.2774

19.3321, 18.6908,  
12.9026

241.1790,  
244.7366, 221.4782

12.0159, 11.4471,  
7.2316

289.8604,  
294.7725, 269.8306

6.8268, 6.3684,  
3.5267

344.6877,

3.3994, 3.0704,

351.2017, 324.7531

1.3695

406.0263,  
414.4088, 386.6642

■ 1.3683, 1.1686,  
0.1177

■ 0.2335, 0.0358,  
0.0000

■ 77.1745, 77.0041,  
63.6191

■ 77.1745, 77.0041,  
63.6191

■ 70.7244, 68.3911,  
48.2525

■ 84.4739, 86.5243,  
81.7090

■ 65.0842, 60.6468,  
35.4706

■ 92.6489, 96.9682,  
102.6420

■ 60.2190, 53.7450,  
25.1293

95.0500, 100.0000,  
108.9000

■ 56.0894, 47.6537,  
17.0688

■ 52.6513, 42.3390,  
11.1094

■ 49.8554, 37.7633,  
7.0444

■ 47.6431, 33.8849,  
4.6234

■ 46.3468, 31.4735,  
3.6323

# Harmonies

## Analogous

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



80.6824, 77.0041, 71.0159



77.1745, 77.0041, 63.6191



72.7204, 77.0041, 61.4460

# Triad

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



77.1745, 77.0041, 63.6191



64.8823, 77.0041, 85.1995



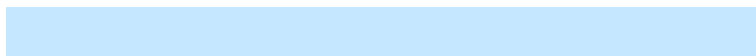
78.0221, 77.0041, 106.3699

# Complementary

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



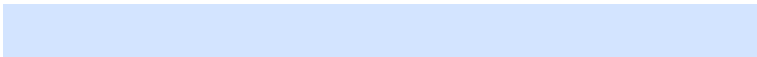
77.1745, 77.0041, 63.6191



69.6511, 76.2399, 105.6525

# 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.



73.6618, 77.0041, 111.1153



77.1745, 77.0041, 63.6191



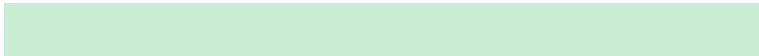
66.1766, 77.0041, 98.1315

# Square

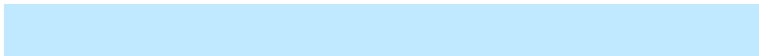
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1745, 77.0041, 63.6191



65.7375, 77.0041, 73.1265



69.3452, 77.0041, 107.9574



81.1857, 77.0041, 95.5614



# Rectangle

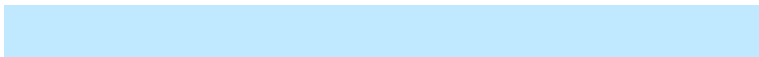
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1745, 77.0041, 63.6191



69.8439, 77.0041, 63.0479



69.3452, 77.0041, 107.9574



76.6415, 77.0041, 108.7745

# Sweetspot

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



77.1763, 77.0075, 63.6207



89.0607, 92.4087, 93.3784



75.7438, 67.0082, 85.1373



18.9565, 19.6438, 19.7148



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.



77.1763, 77.0075, 63.6207



74.3292, 73.2322, 56.7557



85.2558, 93.1665, 66.3139



18.6269, 19.2220, 18.8728



24.3560, 16.7232, 1.9442

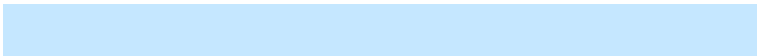


2.4761, 1.8376, 0.2242

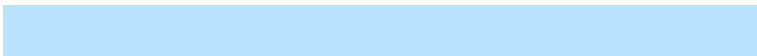


# Inverse Universe

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



69.6511, 76.2399, 105.6525



65.6698, 72.3452, 105.1106



62.3855, 61.7088, 103.2307



17.8878, 19.1472, 23.0029



15.2362, 15.3819, 51.6006

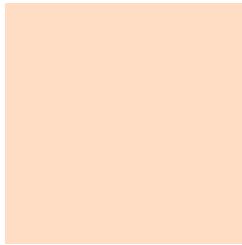


1.5913, 1.7133, 5.0601



# Previews

## White Background



This preview shows how the XYZ color 77.1745, 77.0041, 63.6191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

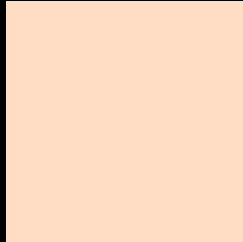
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.1745, 77.0041, 63.6191 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 77.1745, 77.0041, 63.6191**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.1745, 77.0041, 63.6191.



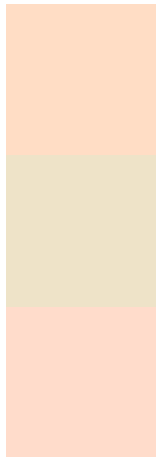
This preview shows how white text looks on a background with the XYZ color 77.1745, 77.0041,



# 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

77.1745, 77.0041, 63.6191

### Protanopia

73.1543, 77.2854, 65.7055

### Deuteranopia

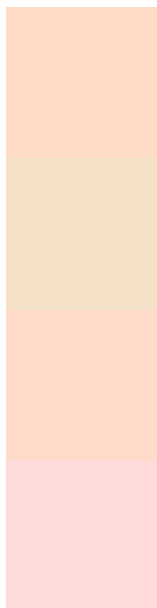
77.6127, 76.7582, 67.2251



## Tritanopia

80.8769, 77.2290, 86.9879

# Trichromacy



## Original Color

77.1745, 77.0041, 63.6191

## Protanomaly

74.5422, 77.2070, 65.0065

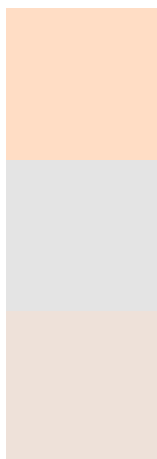
## Deuteranomaly

77.3758, 76.6634, 65.9777

## Tritanomaly

79.3577, 77.0375, 77.7050

# Monochromacy



## Original Color

77.1745, 77.0041, 63.6191

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.7095, 77.0373, 76.5777

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.1745, 77.0041, 63.6191 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, 221, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 197)  
}
```

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, 221, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 77.1745, 77.0041, 63.6191 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, 221, 197) }
```



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

```
.border{ border-color:rgb(255, 221, 197) }
```

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

Here you see how a box with a 4 pixel rgb(255, 221, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.1745, 77.0041, 63.6191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 197) }
```

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

```
.background{ background-color: rgb(255,  
221, 197) }
```

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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