

# Converting Colors

XYZ(76.7279, 75.1238, 66.3517)

Have a look what the booklet for  
XYZ(76.7279, 75.1238, 66.3517)  
contains.

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# Color

**XYZ(76.7135, 75.1500,  
66.3393)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD9CA
RGB	255, 217, 202
RGB Percent	100%, 85%, 79%
CMY	0.0000, 0.1490, 0.2078
CMYK	0.00, 0.15, 0.21, 0.00
HSL	17°, 100%, 90%
HSV	17°, 21%, 100%
XYZ	76.7135, 75.1500, 66.3393
YIQ	226.6520, 27.4630, 3.3910

# Conversions

## Conversions Part 2

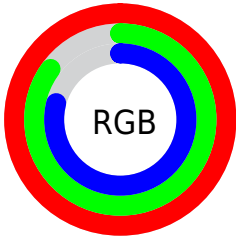
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 223, 202
Decimal	16767434
CIE Lab	89.46, 10.95, 12.28
CIE LCh	89, 16.453, 48.289
Yxy	75.1500, 0.3516, 0.3444
Android (android.graphics.Color)	4294957514 (0xFFFFD9CA)
YUV	226.6520, -12.1534, 24.8612
Hunter-Lab	86.6891, 6.2535, 15.3104

# Details

The XYZ color **76.7135, 75.1500, 66.3393** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.5663, 82.0942, 106.5762**, and the grayscale version is **72.8340, 76.6270, 83.4468**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5543, 39.9845, 33.5446** is the 20% darker color. If you saturate the color by 10%, you get **69.4866, 65.1353, 50.2450**, and if you desaturate by 10%, it is **84.9650, 86.4149, 85.2382**.

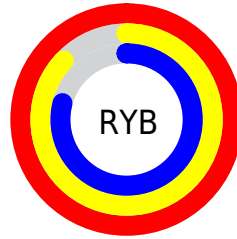
# Distribution



Red (100%)

Green (85%)

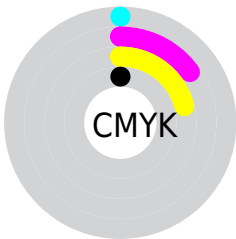
Blue (79%)



Red (100%)

Yellow (87%)

Blue (79%)

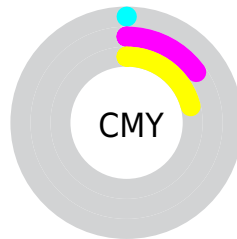


Cyan (0%)

Magenta (15%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7135, 75.1500, 66.3393 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 76.7135, 75.1500, 66.3393 by changing the saturation by 10% instead.



76.7135, 75.1500,  
66.3393

76.7135, 75.1500,  
66.3393

472.6936,  
478.4330, 466.0267

57.3169, 55.7358,  
48.0897

127.7100,  
126.5247, 115.6048

41.5008, 39.9911,  
33.5374

160.0405,  
159.2539, 147.4578

28.9000, 27.5316,  
22.2640

197.4131,  
197.1903, 184.6823

19.1491, 17.9729,  
13.8508

240.1930,  
240.7182, 227.6969

11.8827, 10.9305,  
7.8794

288.7457,  
290.2220, 276.9201

6.7355, 6.0201,  
3.9312

343.4364,

3.3421, 2.8573,

346.0862, 332.7704

1.5877

404.6306,  
408.6950, 395.6664

■ 1.3371, 1.0577,  
0.2820

■ 0.2108, 0.0000,  
0.0000

■ 76.7135, 75.1500,  
66.3393

■ 76.7135, 75.1500,  
66.3393

■ 69.4866, 65.1353,  
50.2450

■ 84.9650, 86.4149,  
85.2382

■ 63.2373, 56.3170,  
36.8162

■ 94.2746, 98.9613,  
107.0625

■ 57.9232, 48.6522,  
25.9084

■ 95.0500, 100.0000,  
108.9000

■ 53.4960, 42.0916,  
17.3620

■ 49.9033, 36.5817,  
10.9983

■ 47.0859, 32.0646,  
6.6133

■ 44.9756, 28.4757,  
3.9631

■ 43.5700, 25.9199,  
2.7067

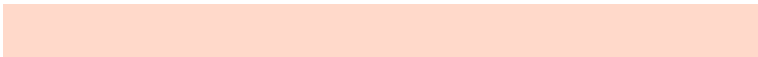
# Harmonies

## Analogous

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



79.0476, 75.1500, 75.0515



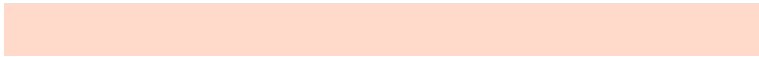
76.7135, 75.1500, 66.3393



73.0136, 75.1500, 61.9465

# Triad

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



76.7135, 75.1500, 66.3393



64.0996, 75.1500, 77.3994



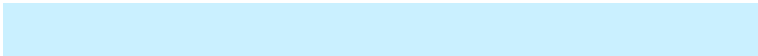
73.8893, 75.1500, 104.7788

# Complementary

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



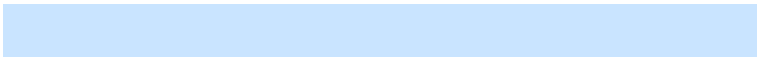
76.7135, 75.1500, 66.3393



73.5663, 82.0942, 106.5762

# 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.



69.8651, 75.1500, 105.5586



76.7135, 75.1500, 66.3393



64.3141, 75.1500, 88.9955

# Square

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



76.7135, 75.1500, 66.3393



65.7932, 75.1500, 67.9185



66.3907, 75.1500, 99.5518

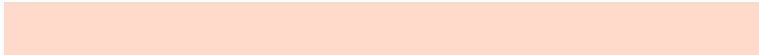


77.3753, 75.1500, 97.5122

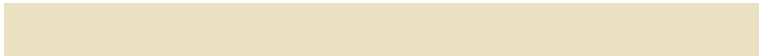


# Rectangle

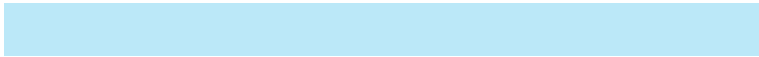
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7135, 75.1500, 66.3393



70.3156, 75.1500, 61.7554



66.3907, 75.1500, 99.5518



72.5517, 75.1500, 105.8318

# Sweetspot

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



76.7154, 75.1533, 66.3409



89.2838, 92.2539, 95.3056



78.2183, 69.8448, 92.4739



18.9811, 19.5717, 20.0966



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.



76.7154, 75.1533, 66.3409



73.5453, 70.7802, 59.2203



83.8420, 89.4065, 68.7164



18.4281, 18.8243, 18.8065



22.8748, 13.7607, 1.4505

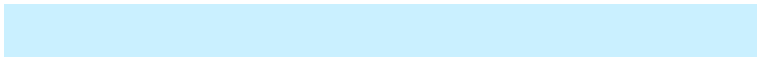


2.3152, 1.5158, 0.1706

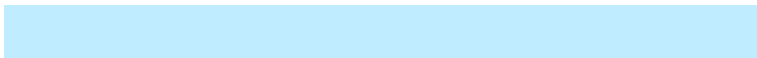


# Inverse Universe

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



73.5663, 82.0942, 106.5762



69.8689, 78.8690, 106.1485



66.5474, 68.0564, 104.2365



18.0947, 19.5611, 23.0719



18.3920, 21.6935, 52.6525

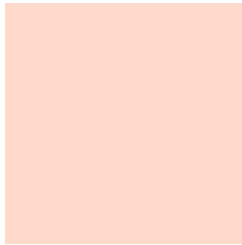


1.8837, 2.2981, 5.1576



# Previews

## White Background



This preview shows how the XYZ color 76.7135, 75.1500, 66.3393 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 76.7135, 75.1500, 66.3393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

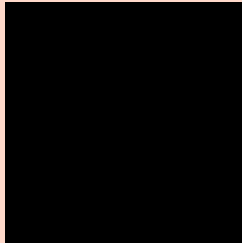
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.7135, 75.1500, 66.3393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7135, 75.1500, 66.3393.



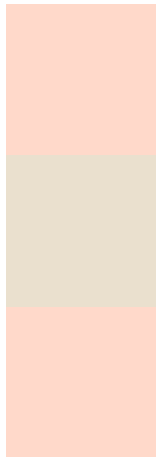
This preview shows how white text looks on a background with the XYZ color 76.7135, 75.1500,



# 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

76.7135, 75.1500, 66.3393

### Protanopia

71.7279, 75.2600, 69.1387

### Deuteranopia

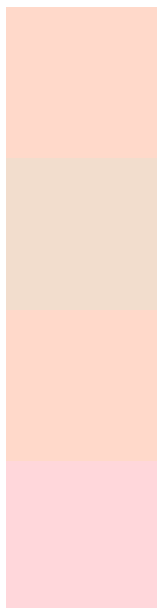
76.7135, 75.1500, 66.3393



## Tritanopia

79.4294, 75.0103, 84.4208

# Trichromacy



## Original Color

76.7135, 75.1500, 66.3393

## Protanomaly

73.4938, 74.9979, 68.3601

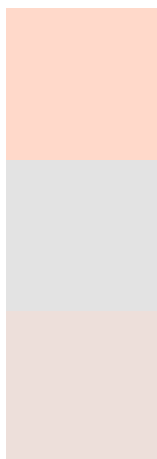
## Deuteranomaly

76.7135, 75.1500, 66.3393

## Tritanomaly

78.3266, 74.9754, 77.3613

# Monochromacy



## Original Color

76.7135, 75.1500, 66.3393

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.9676, 75.8418, 77.0701

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7135, 75.1500, 66.3393 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, 217, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 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, 217, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7135, 75.1500, 66.3393 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, 217, 202) }
```



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

```
.border{ border-color:rgb(255, 217, 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, 217, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7135, 75.1500, 66.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 202) }
```

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

```
.background{ background-color: rgb(255,  
217, 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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