

# Converting Colors

XYZ(81.5797, 81.4361, 57.9441)

Have a look what the booklet for  
XYZ(81.5797, 81.4361, 57.9441)  
contains.

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# **Color**

**XYZ(77.2993, 79.1979,  
57.6670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2BA
RGB	255, 226, 186
RGB Percent	100%, 89%, 73%
CMY	0.0000, 0.1137, 0.2706
CMYK	0.00, 0.11, 0.27, 0.00
HSL	35°, 100%, 86%
HSV	35°, 27%, 100%
XYZ	77.2993, 79.1979, 57.6670
YIQ	230.1110, 30.1240, -6.2920

# Conversions

## Conversions Part 2

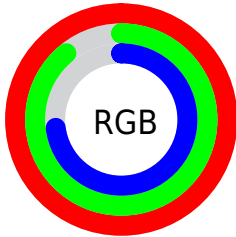
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	236, 255, 186
Decimal	16769722
CIE <sub>Lab</sub>	91.32, 4.11, 23.23
CIE <sub>LCh</sub>	91, 23.587, 79.966
Yxy	79.1979, 0.3609, 0.3698
Android (android.graphics.Color)	4294959802 (0xFFFFE2BA)
YUV	230.1110, -21.7467, 21.8277
Hunter-Lab	88.9932, -0.6934, 23.8757

# Details

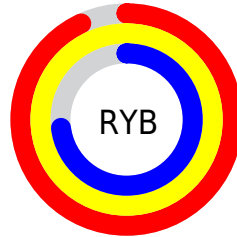
The XYZ color **77.2993, 79.1979, 57.6670** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.5995, 66.2579, 104.0975**, and the grayscale version is **75.4379, 79.3666, 86.4302**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **42.0853, 42.8250, 28.2382** is the 20% darker color. If you saturate the color by 10%, you get **72.0038, 72.5649, 43.6998**, and if you desaturate by 10%, it is **83.2646, 86.3957, 74.2460**.

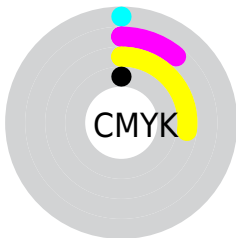
# Distribution



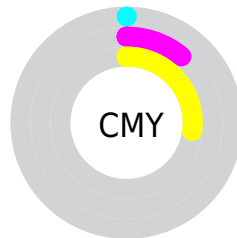
- Red (100%)
- Green (89%)
- Blue (73%)



- Red (93%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (11%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2993, 79.1979, 57.6670 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 77.2993, 79.1979, 57.6670 by changing the saturation by 10% instead.





 77.2993, 79.1979,  
57.6670

 77.2993, 79.1979,  
57.6670


474.6602,  
492.2256, 433.5075

 57.7993, 59.0585,  
41.1281


 128.5325,  
132.2374, 102.9478

 41.8900, 42.6602,  
28.0987


160.9964,  
165.9064, 132.5267

 29.2059, 29.6186,  
18.1604


198.5124,  
204.8540, 167.2893

 19.3817, 19.5493,  
10.8946

241.4458,  
249.4646, 207.6542

 12.0520, 12.0679,  
5.8827

290.1619,  
300.1227, 254.0400

 6.8516, 6.7899,  
2.7063

345.0261,

 3.4150, 3.3311,

357.2126, 306.8651

0.9466

406.4037,  
421.1188, 366.5481

■ 1.3768, 1.3069,  
0.0000

■ 0.2396, 0.1465,  
0.0000

■ 77.2993, 79.1979,  
57.6670

■ 77.2993, 79.1979,  
57.6670

■ 72.0038, 72.5649,  
43.6998

■ 83.2646, 86.3957,  
74.2460

■ 67.3433, 66.4693,  
32.2029

■ 89.9209, 94.1637,  
93.5583

■ 63.2882, 60.8964,  
23.0286

95.0500, 100.0000,  
108.9000

■ 59.8037, 55.8270,  
16.0116

■ 56.8510, 51.2395,  
10.9641

■ 54.3846, 47.1100,  
7.6657

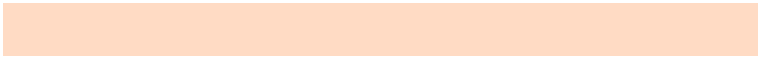
■ 52.3476, 43.4094,  
5.8353

■ 51.8059, 42.3918,  
5.4520

# Harmonies

## Analogous

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



82.9272, 79.1979, 63.3689



77.2993, 79.1979, 57.6670



71.4117, 79.1979, 58.8043

# Triad

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



77.2993, 79.1979, 57.6670



64.9635, 79.1979, 97.9900



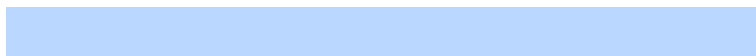
84.4398, 79.1979, 109.2312

# Complementary

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



77.2993, 79.1979, 57.6670



62.5995, 66.2579, 104.0975

# Split Complementary

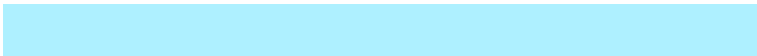
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2757, 79.1979, 121.0883



77.2993, 79.1979, 57.6670



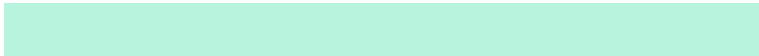
68.1091, 79.1979, 114.0254

# Square

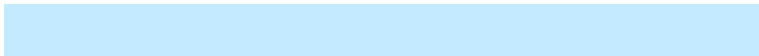
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2993, 79.1979, 57.6670



64.4969, 79.1979, 80.6141



73.2868, 79.1979, 122.9505



87.1920, 79.1979, 92.1072



# Rectangle

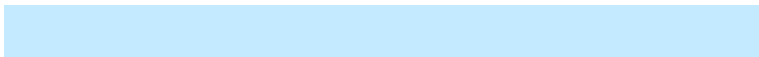
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2993, 79.1979, 57.6670



68.1189, 79.1979, 63.3482



73.2868, 79.1979, 122.9505



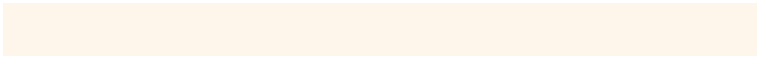
82.9160, 79.1979, 114.0560

# Sweetspot

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



77.3012, 79.2014, 57.6686



89.2637, 93.4071, 91.6193



71.1812, 61.3314, 72.9852



18.8842, 19.7366, 18.9586



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.



77.3012, 79.2014, 57.6686



74.6018, 75.8530, 50.4476



84.1910, 95.4632, 60.4444



18.8842, 19.7366, 18.9586



27.2207, 22.4526, 2.8991



2.7585, 2.4024, 0.3183



# Inverse Universe

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



62.5995, 66.2579, 104.0975



57.8523, 61.1102, 103.3540



56.9952, 53.3634, 101.9039



17.6303, 18.6321, 22.9171



12.3270, 9.5635, 50.6308



1.3054, 1.1415, 4.9648



# Previews

## White Background



This preview shows how the XYZ color 77.2993, 79.1979, 57.6670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

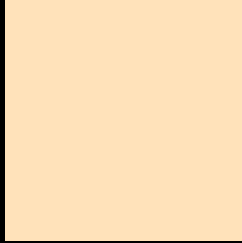
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2993, 79.1979, 57.6670 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 77.2993, 79.1979, 57.6670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2993, 79.1979, 57.6670.



This preview shows how white text looks on a background with the XYZ color 77.2993, 79.1979,

57.6670.

# 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

77.2993, 79.1979, 57.6670

### Protanopia

74.6821, 79.4576, 58.9776

### Deuteranopia

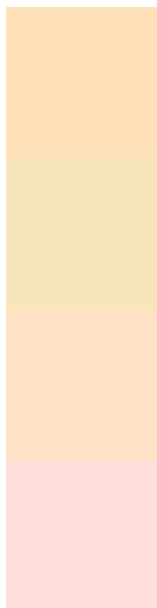
79.0643, 79.4701, 68.2989



## Tritanopia

82.0918, 78.9711, 89.5135

# Trichromacy



## Original Color

77.2993, 79.1979, 57.6670

## Protanomaly

75.7004, 79.5829, 58.3849

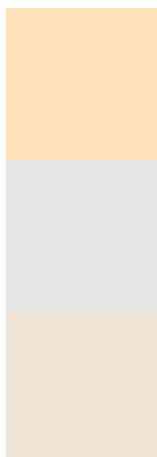
## Deuteranomaly

78.2433, 79.1416, 63.9753

## Tritanomaly

80.1521, 79.0451, 76.6784

# Monochromacy



## Original Color

77.2993, 79.1979, 57.6670

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.7535, 79.2444, 74.9214

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2993, 79.1979, 57.6670 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, 226, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 186)  
}
```

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, 226, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2993, 79.1979, 57.6670 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, 226, 186) }
```



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

```
.border{ border-color:rgb(255, 226, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 186); box-shadow:4px 4px 4px 4px rgb(255, 226, 186) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2993, 79.1979, 57.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 186) }
```

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

```
.background{ background-color: rgb(255,  
226, 186) }
```

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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