

# Converting Colors

XYZ(76.7819, 79.4056, 53.6639)

Have a look what the booklet for  
XYZ(76.7819, 79.4056, 53.6639)  
contains.

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# Color

**XYZ(76.8458, 79.4528,  
53.9336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3B3
RGB	255, 227, 179
RGB Percent	100%, 89%, 70%
CMY	0.0000, 0.1098, 0.2980
CMYK	0.00, 0.11, 0.30, 0.00
HSL	38°, 100%, 85%
HSV	38°, 30%, 100%
XYZ	76.8458, 79.4528, 53.9336
YIQ	229.9000, 32.0960, -8.9920

# Conversions

## Conversions Part 2

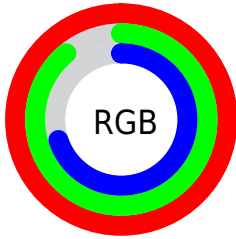
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 255, 179
Decimal	16769971
CIE <sub>Lab</sub>	91.44, 2.70, 26.99
CIE <sub>LCh</sub>	91, 27.129, 84.289
Yxy	79.4528, 0.3655, 0.3779
Android (android.graphics.Color)	4294960051 (0xFFFFE3B3)
YUV	229.9000, -25.0937, 22.0127
Hunter-Lab	89.1363, -2.1009, 26.5209

# Details

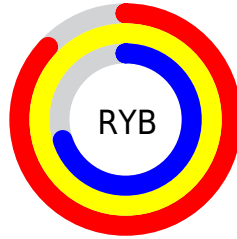
The XYZ color **76.8458, 79.4528, 53.9336** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.9527, 61.4276, 103.3573**, and the grayscale version is **75.3046, 79.2263, 86.2774**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **41.5444, 42.8817, 25.8260** is the 20% darker color. If you saturate the color by 10%, you get **72.0026, 73.5191, 40.7505**, and if you desaturate by 10%, it is **82.3099, 85.8648, 69.6784**.

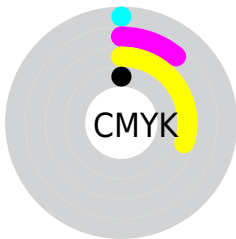
# Distribution



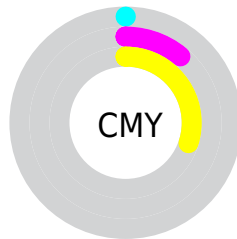
- Red (100%)
- Green (89%)
- Blue (70%)



- Red (87%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8458, 79.4528, 53.9336 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 76.8458, 79.4528, 53.9336 by changing the saturation by 10% instead.





 76.8458, 79.4528,  
53.9336

 76.8458, 79.4528,  
53.9336


473.1381,  
493.0868, 419.0242

 57.4258, 59.2682,  
38.1558


 127.8958,  
132.5961, 97.4322

 41.5887, 42.8290,  
25.8008


160.2565,  
166.3236, 125.9900

 28.9691, 29.7510,  
16.4503


197.6615,  
205.3342, 159.6449

 19.2016, 19.6497,  
9.6855

240.4761,  
250.0122, 198.8153

 11.9209, 12.1406,  
5.0881

289.0657,  
300.7421, 243.9200

 6.7616, 6.8395,  
2.2394

343.7957,

 3.3585, 3.3619,

357.9082, 295.3773

0.6970

405.0314,  
421.8950, 353.6059

■ 1.3461, 1.3235,  
0.0000

■ 0.2173, 0.1593,  
0.0000

■ 76.8458, 79.4528,  
53.9336

■ 76.8458, 79.4528,  
53.9336

■ 72.0026, 73.5191,  
40.7505

■ 82.3099, 85.8648,  
69.6784

■ 67.7461, 68.0379,  
29.9848

■ 88.4158, 92.7584,  
88.1086

■ 64.0470, 62.9969,  
21.4853

95.0500, 100.0000,  
108.9000

■ 60.8709, 58.3783,  
15.0815

■ 58.1784, 54.1629,  
10.5785

■ 55.9232, 50.3279,  
7.7442

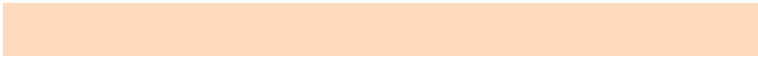
■ 54.0324, 46.8404,  
6.2077

■ 53.9973, 46.7746,  
6.1824

# Harmonies

## Analogous

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



83.5320, 79.4528, 59.1725



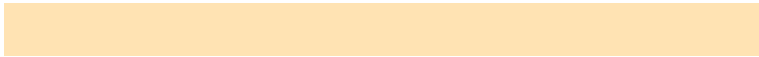
76.8458, 79.4528, 53.9336



70.1887, 79.4528, 56.2847

# Triad

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



76.8458, 79.4528, 53.9336



64.0550, 79.4528, 103.1064



86.8146, 79.4528, 110.6469

# Complementary

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



76.8458, 79.4528, 53.9336



58.9527, 61.4276, 103.3573

# 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.



81.1094, 79.4528, 125.9859



76.8458, 79.4528, 53.9336



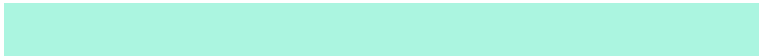
68.0327, 79.4528, 121.1889

# Square

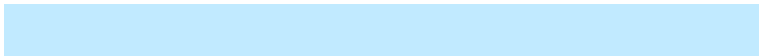
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8458, 79.4528, 53.9336



63.0664, 79.4528, 82.7834



74.2046, 79.4528, 130.1106



89.5082, 79.4528, 90.3480

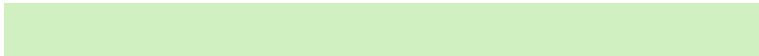


# Rectangle

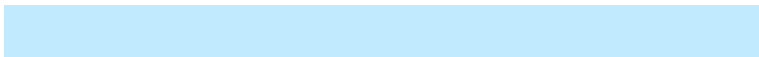
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8458, 79.4528, 53.9336



66.6240, 79.4528, 62.0553



74.2046, 79.4528, 130.1106



85.1692, 79.4528, 116.6706

# Sweetspot

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



76.8477, 79.4564, 53.9352



88.9348, 93.3335, 89.7090



68.7623, 58.0617, 67.3443



18.8351, 19.7547, 18.5837



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.



76.8477, 79.4564, 53.9352



73.7743, 75.7225, 45.4719



81.9498, 94.3918, 56.5492



18.9658, 19.8998, 18.9858



28.3623, 24.7358, 3.2796



2.8660, 2.6173, 0.3541



# Inverse Universe

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



58.9527, 61.4276, 103.3573



53.1648, 54.9667, 102.4153



54.8772, 50.1357, 101.3926



17.5509, 18.4735, 22.8907



11.6497, 8.2090, 50.4051



1.2344, 0.9994, 4.9411



# Previews

## White Background



This preview shows how the XYZ color 76.8458, 79.4528, 53.9336 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 76.8458, 79.4528, 53.9336 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 76.8458, 79.4528, 53.9336**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8458, 79.4528, 53.9336.



This preview shows how white text looks on a background with the XYZ color 76.8458, 79.4528,



# 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**

76.8458, 79.4528, 53.9336

**Protanopia**

74.5411, 79.4817, 54.5928

**Deuteranopia**

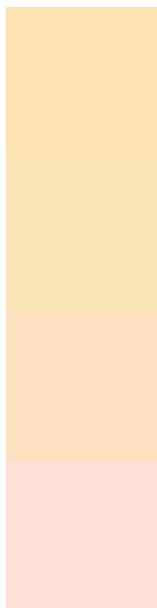
78.8259, 79.3747, 67.0434



## Tritanopia

82.3567, 79.5007, 89.6018

# Trichromacy



## Original Color

76.8458, 79.4528, 53.9336

## Protanomaly

75.3245, 79.4736, 54.5499

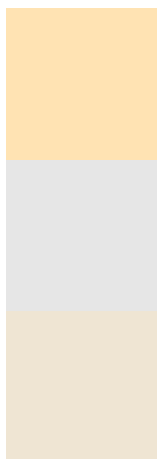
## Deuteranomaly

78.1740, 79.5478, 62.2730

## Tritanomaly

80.1614, 79.4776, 75.4057

# Monochromacy



## Original Color

76.8458, 79.4528, 53.9336

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.3738, 79.0925, 72.9218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8458, 79.4528, 53.9336 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, 227, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 179)  
}
```

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, 227, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8458, 79.4528, 53.9336 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, 227, 179) }
```



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

```
.border{ border-color:rgb(255, 227, 179) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8458, 79.4528, 53.9336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 179) }
```

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

```
.background{ background-color: rgb(255,  
227, 179) }
```

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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