

# Converting Colors

XYZ(76.9586, 77.9203, 59.3914)

Have a look what the booklet for  
XYZ(76.9586, 77.9203, 59.3914)  
contains.

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# **Color**

**XYZ(76.8130, 77.7095,  
59.0951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFBD
RGB	255, 223, 189
RGB Percent	100%, 87%, 74%
CMY	0.0000, 0.1255, 0.2588
CMYK	0.00, 0.13, 0.26, 0.00
HSL	31°, 100%, 87%
HSV	31°, 26%, 100%
XYZ	76.8130, 77.7095, 59.0951
YIQ	228.6920, 29.9860, -3.7900

# Conversions

## Conversions Part 2

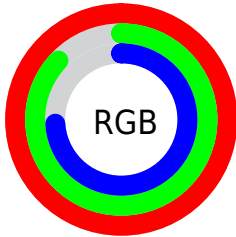
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 255, 189
Decimal	16768957
CIE <sub>Lab</sub>	90.65, 6.05, 20.73
CIE <sub>LCh</sub>	91, 21.598, 73.746
Yxy	77.7095, 0.3596, 0.3638
Android (android.graphics.Color)	4294959037 (0xFFFFDFBD)
YUV	228.6920, -19.5682, 23.0721
Hunter-Lab	88.1530, 1.2700, 21.9609

# Details

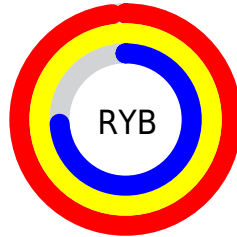
The XYZ color **76.8130, 77.7095, 59.0951** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.8920, 69.7496, 104.6506**, and the grayscale version is **74.3753, 78.2486, 85.2127**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **41.7353, 41.7886, 29.1589** is the 20% darker color. If you saturate the color by 10%, you get **71.1021, 70.3346, 44.7150**, and if you desaturate by 10%, it is **83.2556, 85.7683, 76.1218**.

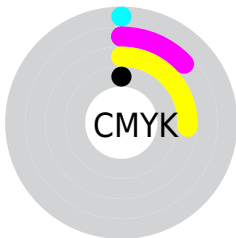
# Distribution



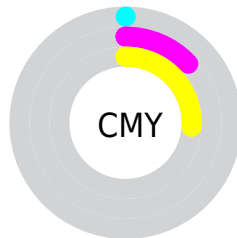
- Red (100%)
- Green (87%)
- Blue (74%)



- Red (98%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (13%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8130, 77.7095, 59.0951 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 76.8130, 77.7095, 59.0951 by changing the saturation by 10% instead.




 76.8130, 77.7095,  
59.0951

 76.8130, 77.7095,  
59.0951


473.0279,  
487.1797, 438.9659

 57.3988, 57.8354,  
42.2692


 127.8497,  
130.1405, 105.0464

 41.5669, 41.6763,  
28.9850


160.2030,  
163.4662, 135.0087

 28.9519, 28.8479,  
18.8240


197.5999,  
202.0446, 170.1870

 19.1886, 18.9658,  
11.3676

240.4059,  
246.2599, 210.9998

 11.9114, 11.6456,  
6.1974

288.9864,  
296.4967, 257.8655

 6.7552, 6.5028,  
2.8948

343.7066,

 3.3544, 3.1532,

353.1394, 311.2027

1.0412

404.9320,  
416.5722, 371.4300

■ 1.3438, 1.2122,  
0.0000

■ 0.2157, 0.0716,  
0.0000

■ 76.8130, 77.7095,  
59.0951

■ 76.8130, 77.7095,  
59.0951

■ 71.1021, 70.3346,  
44.7150

■ 83.2556, 85.7683,  
76.1218

■ 66.0865, 63.6129,  
32.8408

■ 90.4527, 94.5199,  
95.9163

■ 61.7351, 57.5259,  
23.3260

95.0500, 100.0000,  
108.9000

■ 58.0116, 52.0506,  
16.0065

■ 54.8755, 47.1616,  
10.6969

■ 52.2802, 42.8308,  
7.1809

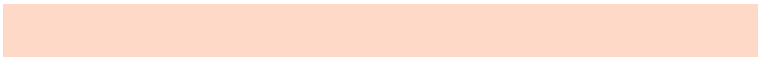
■ 50.1689, 39.0256,  
5.1902

■ 49.4081, 37.5962,  
4.6527

# Harmonies

## Analogous

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



81.6396, 77.7095, 65.6253



76.8130, 77.7095, 59.0951



71.4143, 77.7095, 58.8296

# Triad

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



76.8130, 77.7095, 59.0951



64.2025, 77.7095, 91.8966



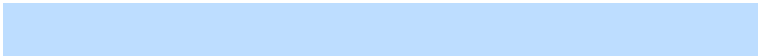
81.2955, 77.7095, 108.0310

# Complementary

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



76.8130, 77.7095, 59.0951



64.8920, 69.7496, 104.6506

# Split Complementary

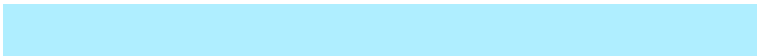
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3620, 77.7095, 117.0041



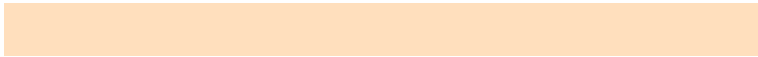
76.8130, 77.7095, 59.0951



66.5921, 77.7095, 106.9484

# Square

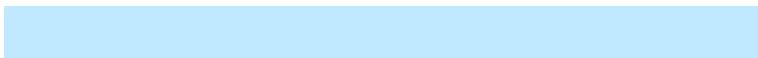
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8130, 77.7095, 59.0951



64.3100, 77.7095, 76.5384



70.9847, 77.7095, 116.5852



84.3127, 77.7095, 93.2352



# Rectangle

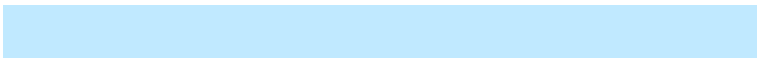
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8130, 77.7095, 59.0951



68.2269, 77.7095, 62.1631



70.9847, 77.7095, 116.5852



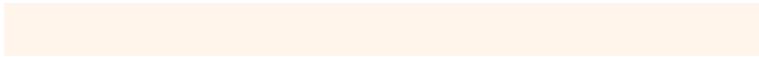
79.7960, 77.7095, 111.9046

# Sweetspot

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



76.8149, 77.7130, 59.0967



88.8636, 92.6069, 91.4859



72.6229, 62.9300, 77.4270



18.7834, 19.5350, 18.9250



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.



76.8149, 77.7130, 59.0967



73.8018, 73.8531, 51.4137



86.1855, 96.4542, 62.2202



18.7834, 19.5350, 18.9250



25.9670, 19.9453, 2.4812

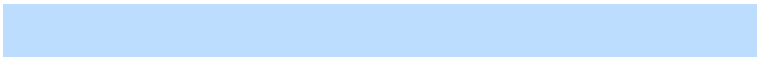


2.6377, 2.1608, 0.2781

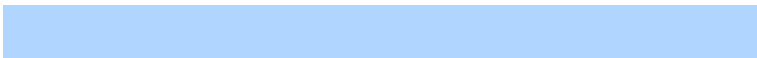


# Inverse Universe

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



64.8920, 69.7496, 104.6506



60.0583, 64.6746, 103.9258



57.2347, 54.4351, 102.0982



17.7298, 18.8312, 22.9503



13.3206, 11.5507, 50.9620



1.4058, 1.3423, 4.9983



# Previews

## White Background



This preview shows how the XYZ color 76.8130, 77.7095, 59.0951 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 76.8130, 77.7095, 59.0951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

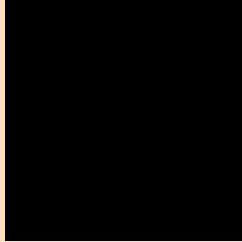
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.8130, 77.7095, 59.0951**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8130, 77.7095, 59.0951.



This preview shows how white text looks on a background with the XYZ color 76.8130, 77.7095,

59.0951.

# 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

76.8130, 77.7095, 59.0951

### Protanopia

73.4230, 77.9492, 60.4661

### Deuteranopia

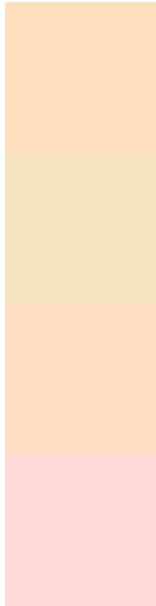
77.9039, 77.7196, 66.1537



## Tritanopia

81.2795, 77.8062, 87.8250

# Trichromacy



## Original Color

76.8130, 77.7095, 59.0951

## Protanomaly

74.4967, 77.7032, 59.7870

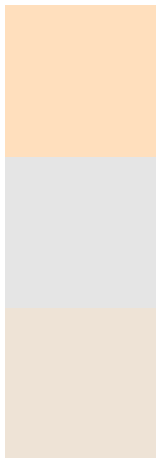
## Deuteranomaly

77.4393, 77.5338, 63.7073

## Tritanomaly

79.3576, 77.4562, 76.4136

# Monochromacy



## Original Color

76.8130, 77.7095, 59.0951

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.8666, 77.9704, 74.7222

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8130, 77.7095, 59.0951 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8130, 77.7095, 59.0951 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, 189) }
```



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

```
.border{ border-color:rgb(255, 223, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8130, 77.7095, 59.0951 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, 189) }
```

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

```
.background{ background-color: rgb(255,  
223, 189) }
```

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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