

# Converting Colors

XYZ(76.6094, 77.9999, 51.2577)

Have a look what the booklet for  
XYZ(76.6094, 77.9999, 51.2577)  
contains.

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# **Color**

**XYZ(75.5356, 77.6273,  
51.0468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0AE
RGB	255, 224, 174
RGB Percent	100%, 88%, 68%
CMY	0.0000, 0.1215, 0.3176
CMYK	0.00, 0.12, 0.32, 0.00
HSL	37°, 100%, 84%
HSV	37°, 32%, 100%
XYZ	75.5356, 77.6273, 51.0468
YIQ	227.5690, 34.5260, -8.9780

# Conversions

## Conversions Part 2

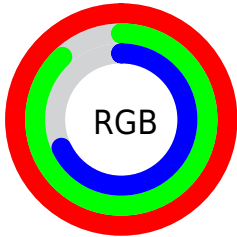
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 255, 174
Decimal	16769198
CIE <sub>Lab</sub>	90.61, 3.61, 28.44
CIE <sub>LCh</sub>	91, 28.668, 82.764
Yxy	77.6273, 0.3699, 0.3801
Android (android.graphics.Color)	4294959278 (0xFFFFE0AE)
YUV	227.5690, -26.4095, 24.0570
Hunter-Lab	88.1064, -1.1540, 27.3232

# Details

The XYZ color **75.5356, 77.6273, 51.0468** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.3362, 59.8794, 103.1437**, and the grayscale version is **73.5987, 77.4315, 84.3230**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **40.6651, 41.6267, 23.9806** is the 20% darker color. If you saturate the color by 10%, you get **70.7348, 71.6333, 38.3242**, and if you desaturate by 10%, it is **80.9629, 84.1182, 66.3081**.

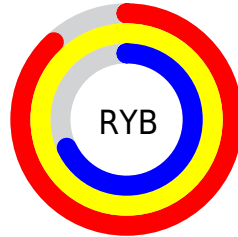
# Distribution



Red (100%)

Green (88%)

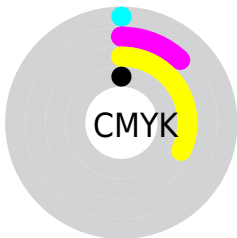
Blue (68%)



Red (88%)

Yellow (100%)

Blue (68%)

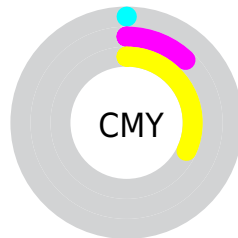


Cyan (0%)

Magenta (12%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5356, 77.6273, 51.0468 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 75.5356, 77.6273, 51.0468 by changing the saturation by 10% instead.




 75.5356, 77.6273,  
51.0468

 75.5356, 77.6273,  
51.0468


468.7253,  
486.9002, 407.5973

 56.3475, 57.7679,  
35.8689


 126.0541,  
130.0246, 93.1362

 40.7197, 41.6221,  
24.0440


158.1152,  
163.3313, 120.8847

 28.2868, 28.8055,  
15.1538


195.1980,  
201.8891, 153.6604

 18.6835, 18.9337,  
8.7796

237.6679,  
246.0826, 191.8820

 11.5445, 11.6224,  
4.5028

285.8903,  
296.2960, 235.9680

 6.5043, 6.4871,  
1.9051

340.2304,

 3.1976, 3.1435,

352.9138, 286.3368

0.4959

401.0536,  
416.3204, 343.4071

■ 1.2591, 1.2071,  
0.0000

■ 0.1523, 0.0675,  
0.0000

■ 75.5356, 77.6273,  
51.0468

■ 75.5356, 77.6273,  
51.0468

■ 70.7348, 71.6333,  
38.3242

■ 80.9629, 84.1182,  
66.3081

■ 66.5252, 66.1099,  
27.9938

■ 87.0377, 91.1101,  
84.2342

■ 62.8767, 61.0436,  
19.9010

■ 93.7875, 98.6204,  
104.9482

■ 59.7538, 56.4161,  
13.8712

95.0500, 100.0000,  
108.9000

■ 57.1158, 52.2066,  
9.7035

■ 54.9139, 48.3913,  
7.1557

■ 53.3691, 45.5182,  
5.9730

# Harmonies

## Analogous

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



82.4579, 77.6273, 56.7845



75.5356, 77.6273, 51.0468



68.5672, 77.6273, 53.0483

# Triad

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



75.5356, 77.6273, 51.0468



61.7673, 77.6273, 100.7674



85.3316, 77.6273, 110.7835

# Complementary

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



75.5356, 77.6273, 51.0468



57.3362, 59.8794, 103.1437

# 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.



79.2556, 77.6273, 126.4872



75.5356, 77.6273, 51.0468



65.7379, 77.6273, 120.0808

# Square

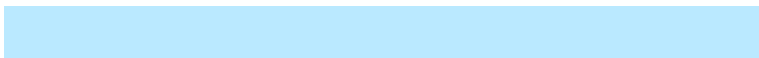
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5356, 77.6273, 51.0468



60.9136, 77.6273, 79.6384



72.0566, 77.6273, 130.1399



88.3469, 77.6273, 89.6032



# Rectangle

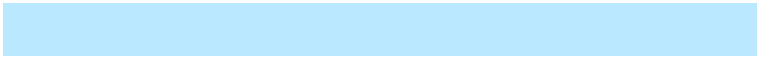
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5356, 77.6273, 51.0468



64.7979, 77.6273, 58.6857



72.0566, 77.6273, 130.1399



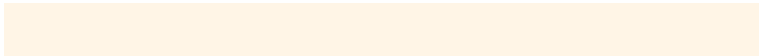
83.5613, 77.6273, 117.0095

# Sweetspot

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



75.5376, 77.6309, 51.0484



88.1786, 92.3968, 87.6821



67.4021, 55.9431, 65.0357



18.6789, 19.5570, 18.1781



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.



75.5376, 77.6309, 51.0484



72.4713, 73.8343, 42.8247



81.2486, 94.0877, 53.9239



18.9433, 19.8547, 18.9783



28.0354, 24.0819, 3.1707



2.8354, 2.5562, 0.3439



# Inverse Universe

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



57.3362, 59.8794, 103.1437



51.7253, 53.6094, 102.2292



52.8225, 47.6156, 101.0144



17.5727, 18.5171, 22.8979



11.8260, 8.5615, 50.4638



1.2531, 1.0369, 4.9474



# Previews

## White Background



This preview shows how the XYZ color 75.5356, 77.6273, 51.0468 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 75.5356, 77.6273, 51.0468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

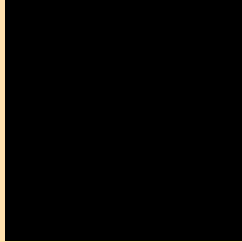
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.5356, 77.6273, 51.0468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.5356, 77.6273, 51.0468.



This preview shows how white text looks on a background with the XYZ color 75.5356, 77.6273,

51.0468.

# 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

75.5356, 77.6273, 51.0468

### Protanopia

72.8881, 77.8545, 52.2601

### Deuteranopia

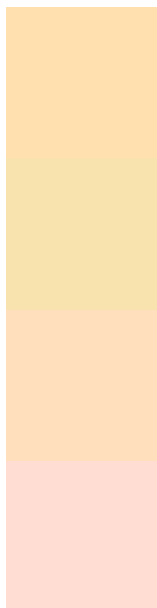
77.3251, 77.4881, 63.1058



## Tritanopia

81.1370, 77.7492, 87.0747

# Trichromacy



## Original Color

75.5356, 77.6273, 51.0468

## Protanomaly

73.9183, 77.9898, 51.7151

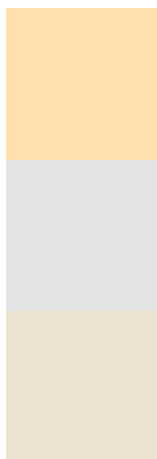
## Deuteranomaly

76.7048, 77.6662, 58.5252

## Tritanomaly

78.8543, 77.6761, 72.4649

# Monochromacy



## Original Color

75.5356, 77.6273, 51.0468

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.1141, 77.6694, 70.7600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5356, 77.6273, 51.0468 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, 224, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 174)  
}
```

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, 224, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5356, 77.6273, 51.0468 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, 224, 174) }
```



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

```
.border{ border-color:rgb(255, 224, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5356, 77.6273, 51.0468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 174) }
```

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

```
.background{ background-color: rgb(255,  
224, 174) }
```

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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