

# Converting Colors

XYZ(89.7959, 83.7465, 58.9076)

Have a look what the booklet for  
XYZ(89.7959, 83.7465, 58.9076)  
contains.

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# Color

**XYZ(76.1736, 76.6037,  
58.3482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDBC
RGB	255, 221, 188
RGB Percent	100%, 87%, 74%
CMY	0.0000, 0.1333, 0.2627
CMYK	0.00, 0.13, 0.26, 0.00
HSL	30°, 100%, 87%
HSV	30°, 26%, 100%
XYZ	76.1736, 76.6037, 58.3482
YIQ	227.4040, 30.8570, -3.0550

# Conversions

## Conversions Part 2

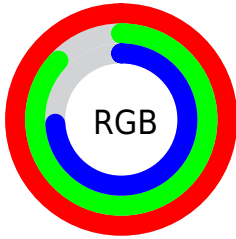
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 253, 188
Decimal	16768444
CIE Lab	90.14, 6.94, 20.55
CIE LCh	90, 21.689, 71.338
Yxy	76.6037, 0.3608, 0.3628
Android (android.graphics.Color)	4294958524 (0xFFFFDDBC)
YUV	227.4040, -19.4262, 24.2017
Hunter-Lab	87.5235, 2.1862, 21.7404

# Details

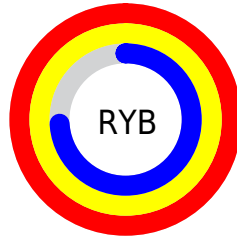
The XYZ color **76.1736, 76.6037, 58.3482** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.9096, 70.1519, 104.7273**, and the grayscale version is **73.4307, 77.2548, 84.1304**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **41.2981, 41.0275, 28.6641** is the 20% darker color. If you saturate the color by 10%, you get **70.3787, 69.0314, 44.0318**, and if you desaturate by 10%, it is **82.7211, 84.9037, 75.3135**.

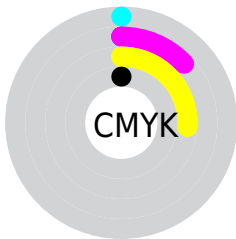
# Distribution



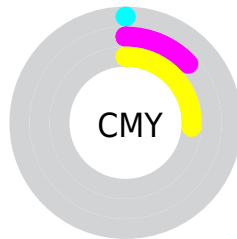
- Red (100%)
- Green (87%)
- Blue (74%)



- Red (100%)
- Yellow (99%)
- 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 76.1736, 76.6037, 58.3482 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 76.1736, 76.6037, 58.3482 by changing the saturation by 10% instead.





 76.1736, 76.6037,  
58.3482

 76.1736, 76.6037,  
58.3482

470.8770,  
483.4118, 436.1166

 56.8724, 56.9277,  
41.6721

 126.9513,  
128.5799, 103.9495

 41.1426, 40.9472,  
28.5210


159.1586,  
161.6489, 133.7118

 28.6187, 28.2778,  
18.4763


196.3986,  
199.9510, 168.6733

 18.9354, 18.5352,  
11.1195

239.0366,  
243.8705, 209.2524

 11.7273, 11.3349,  
6.0321

287.4382,  
293.7920, 255.8678

 6.6292, 6.2926,  
2.7955

341.9685,

 3.2755, 3.0238,

350.0998, 308.9379

0.9912

402.9930,  
413.1782, 368.8813

■ 1.3011, 1.1442,  
0.0000

■ 0.1840, 0.0154,  
0.0000

■ 76.1736, 76.6037,  
58.3482

■ 76.1736, 76.6037,  
58.3482

■ 70.3787, 69.0314,  
44.0318

■ 82.7211, 84.9037,  
75.3135

■ 65.2996, 62.1545,  
32.2230

■ 90.0452, 93.9420,  
95.0495

■ 60.9041, 55.9531,  
22.7742

95.0500, 100.0000,  
108.9000

■ 57.1549, 50.4021,  
15.5207

■ 54.0103, 45.4742,  
10.2756

■ 51.4225, 41.1395,  
6.8207

■ 49.3331, 37.3629,  
4.8845

■ 48.6520, 36.0839,  
4.4007

# Harmonies

## Analogous

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



80.8645, 76.6037, 65.3139



76.1736, 76.6037, 58.3482



70.7927, 76.6037, 57.5789

# Triad

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



76.1736, 76.6037, 58.3482



63.1211, 76.6037, 89.3754



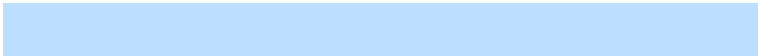
79.8654, 76.6037, 107.7156

# Complementary

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



76.1736, 76.6037, 58.3482



64.9096, 70.1519, 104.7273

# 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.



74.8643, 76.6037, 115.9959



76.1736, 76.6037, 58.3482



65.3080, 76.6037, 104.5696

# Square

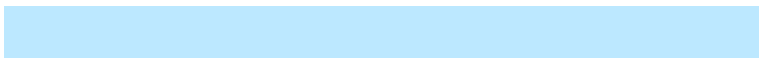
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1736, 76.6037, 58.3482



63.4329, 76.6037, 74.2740



69.5460, 76.6037, 114.7785



83.0674, 76.6037, 93.2626



# Rectangle

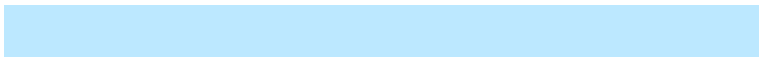
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.1736, 76.6037, 58.3482



67.5557, 76.6037, 60.5560



69.5460, 76.6037, 114.7785



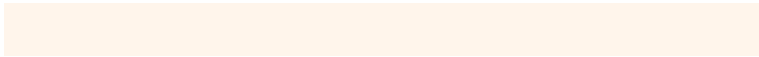
78.3289, 76.6037, 111.3891

# Sweetspot

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



76.1754, 76.6071, 58.3498



88.7241, 92.3279, 91.4394



72.4914, 62.5343, 77.7916



18.7483, 19.4648, 18.9133



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.



76.1754, 76.6071, 58.3498



72.7664, 72.1822, 49.8358



85.7221, 95.7005, 61.5320



18.7483, 19.4648, 18.9133



25.5704, 19.1521, 2.3490

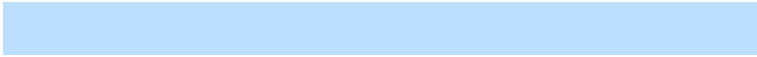


2.5987, 2.0828, 0.2651

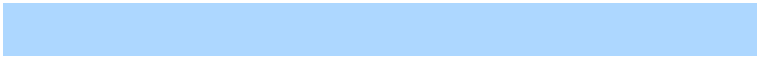


# Inverse Universe

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



64.9096, 70.1519, 104.7273



59.6224, 64.6503, 103.9441



57.0126, 54.3578, 102.0950



17.7649, 18.9014, 22.9620



13.7097, 12.3289, 51.0917

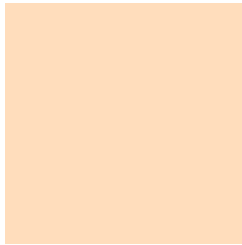


1.4442, 1.4191, 5.0111



# Previews

## White Background



This preview shows how the XYZ color 76.1736, 76.6037, 58.3482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

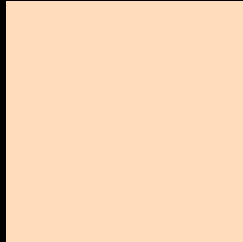
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.1736, 76.6037, 58.3482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

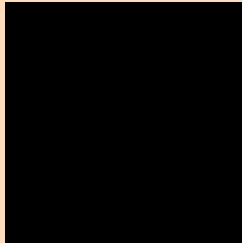
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.1736, 76.6037, 58.3482**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.1736, 76.6037, 58.3482.



This preview shows how white text looks on a background with the XYZ color 76.1736, 76.6037,

58.3482.

# 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

76.1736, 76.6037, 58.3482

### Protanopia

72.1969, 76.5050, 60.2520

### Deuteranopia

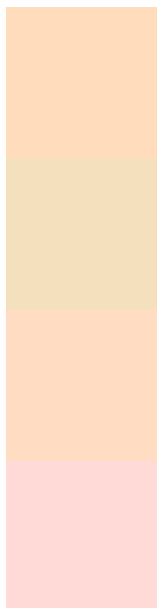
77.0262, 76.5236, 64.1369



## Tritanopia

80.4767, 76.6552, 86.1557

# Trichromacy



## Original Color

76.1736, 76.6037, 58.3482

## Protanomaly

73.6061, 76.4415, 59.5904

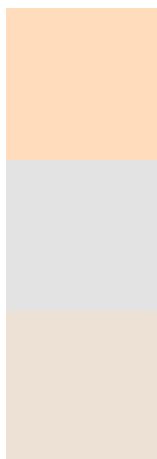
## Deuteranomaly

76.5708, 76.3414, 61.7386

## Tritanomaly

78.5771, 76.3091, 74.8776

# Monochromacy



## Original Color

76.1736, 76.6037, 58.3482

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.8605, 76.6590, 73.8546

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.1736, 76.6037, 58.3482 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, 221, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 188)  
}
```

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, 221, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 76.1736, 76.6037, 58.3482 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, 221, 188) }
```



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

```
.border{ border-color:rgb(255, 221, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 221, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 221, 188); box-shadow:4px 4px 4px 4px rgb(255, 221, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.1736, 76.6037, 58.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 188) }
```

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

```
.background{ background-color: rgb(255,  
221, 188) }
```

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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