

# Converting Colors

XYZ(169.6069, 127.3360,  
61.0633)

Have a look what the booklet for  
XYZ(169.6069, 127.3360, 61.0633)  
contains.

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# **Color**

**XYZ(77.3608, 79.6589,  
56.6457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3B8
RGB	255, 227, 184
RGB Percent	100%, 89%, 72%
CMY	0.0000, 0.1098, 0.2784
CMYK	0.00, 0.11, 0.28, 0.00
HSL	36°, 100%, 86%
HSV	36°, 28%, 100%
XYZ	77.3608, 79.6589, 56.6457
YIQ	230.4700, 30.4910, -7.4370

# Conversions

## Conversions Part 2

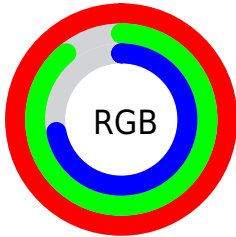
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 255, 184
Decimal	16769976
CIE <sub>Lab</sub>	91.53, 3.34, 24.55
CIE <sub>LCh</sub>	92, 24.771, 82.257
Yxy	79.6589, 0.3621, 0.3728
Android (android.graphics.Color)	4294960056 (0xFFFFE3B8)
YUV	230.4700, -22.9097, 21.5128
Hunter-Lab	89.2518, -1.4723, 24.8465

# Details

The XYZ color **77.3608, 79.6589, 56.6457** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.3599, 64.4952, 103.8225**, and the grayscale version is **75.7124, 79.6554, 86.7447**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **41.8752, 43.0141, 27.5682** is the 20% darker color. If you saturate the color by 10%, you get **72.2554, 73.3470, 42.9238**, and if you desaturate by 10%, it is **83.1127, 86.4919, 72.9620**.

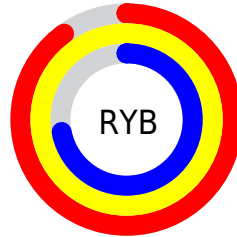
# Distribution



Red (100%)

Green (89%)

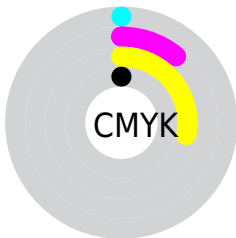
Blue (72%)



Red (90%)

Yellow (100%)

Blue (72%)

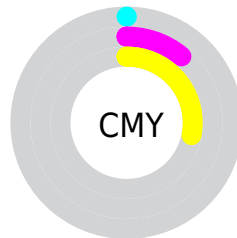


Cyan (0%)

Magenta (11%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3608, 79.6589, 56.6457 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 77.3608, 79.6589, 56.6457 by changing the saturation by 10% instead.





 77.3608, 79.6589,  
56.6457

 77.3608, 79.6589,  
56.6457


474.8664,  
493.7826, 429.5769

 57.8500, 59.4377,  
40.3134

 128.6188,  
132.8861, 101.4432

 41.9309, 42.9656,  
27.4673


161.0967,  
166.6608, 130.7455

 29.2380, 29.8581,  
17.6890

198.6277,  
205.7222, 165.2082

 19.4061, 19.7309,  
10.5598

241.5772,  
250.4546, 205.2499

 12.0699, 12.1996,  
5.6612

290.3104,  
301.2425, 251.2891

 6.8638, 6.8798,  
2.5748

345.1928,

 3.4226, 3.3870,

358.4702, 303.7442

0.8794

406.5897,  
422.5221, 363.0340

■ 1.3810, 1.3370,  
0.0000

■ 0.2426, 0.1696,  
0.0000

■ 77.3608, 79.6589,  
56.6457

■ 77.3608, 79.6589,  
56.6457

■ 72.2554, 73.3470,  
42.9238

■ 83.1127, 86.4919,  
72.9620

■ 67.7619, 67.5297,  
31.6541

■ 89.5316, 93.8502,  
91.9947

■ 63.8511, 62.1937,  
22.6880

95.0500, 100.0000,  
108.9000

■ 60.4887, 57.3206,  
15.8589

■ 57.6360, 52.8902,  
10.9771

■ 55.2477, 48.8796,  
7.8193

■ 53.2640, 45.2598,  
6.0867

■ 52.8712, 44.5225,  
5.8071

# Harmonies

## Analogous

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



83.3899, 79.6589, 62.0459



77.3608, 79.6589, 56.6457



71.2081, 79.6589, 58.3741

# Triad

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



77.3608, 79.6589, 56.6457



65.0251, 79.6589, 100.5803



85.7240, 79.6589, 109.8040

# Complementary

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



77.3608, 79.6589, 56.6457



61.3599, 64.4952, 103.8225

# Split Complementary

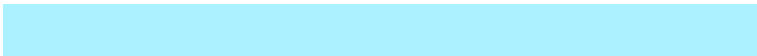
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4049, 79.6589, 123.0532



77.3608, 79.6589, 56.6457



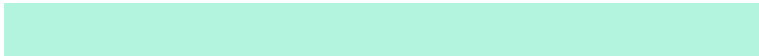
68.5231, 79.6589, 117.2332

# Square

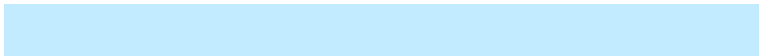
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3608, 79.6589, 56.6457



64.3106, 79.6589, 82.1346



74.0895, 79.6589, 125.9457



88.3901, 79.6589, 91.5041



# Rectangle

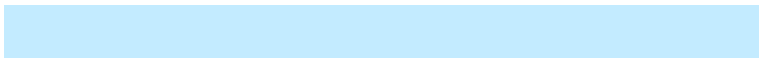
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3608, 79.6589, 56.6457



67.8402, 79.6589, 63.4642



74.0895, 79.6589, 125.9457



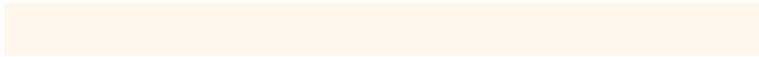
84.1733, 79.6589, 115.0950

# Sweetspot

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



77.3628, 79.6625, 56.6474



89.4251, 93.7300, 91.6731



70.3152, 60.3155, 70.4890



18.9249, 19.8181, 18.9721



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.



77.3628, 79.6625, 56.6474



74.6501, 76.3420, 49.2542



83.0879, 94.9190, 59.2904



18.9249, 19.8181, 18.9721



27.7761, 23.5634, 3.0842



2.8110, 2.5075, 0.3358



# Inverse Universe

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



61.3599, 64.4952, 103.8225



56.4117, 59.0606, 103.0344



56.7023, 52.5913, 101.7703



17.5905, 18.5527, 22.9039



11.9753, 8.8601, 50.5136



1.2689, 1.0684, 4.9526



# Previews

## White Background



This preview shows how the XYZ color 77.3608, 79.6589, 56.6457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

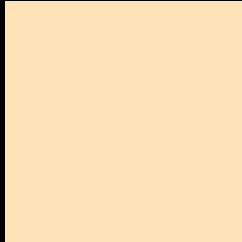
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3608, 79.6589, 56.6457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

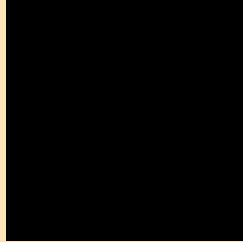
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.3608, 79.6589, 56.6457**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3608, 79.6589, 56.6457.



This preview shows how white text looks on a background with the XYZ color 77.3608, 79.6589,



# 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

77.3608, 79.6589, 56.6457

### Protanopia

74.8159, 79.5513, 57.8661

### Deuteranopia

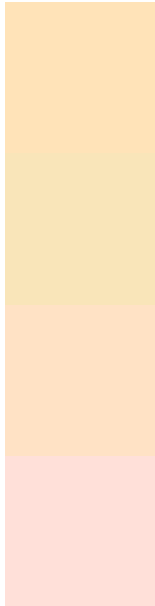
79.0643, 79.4701, 68.2989



## Tritanopia

82.5016, 79.5587, 90.3649

# Trichromacy



## Original Color

77.3608, 79.6589, 56.6457

## Protanomaly

75.8432, 79.6811, 57.2816

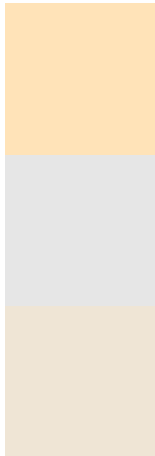
## Deuteranomaly

78.5144, 79.6839, 64.0657

## Tritanomaly

80.4200, 79.5811, 76.7677

# Monochromacy



## Original Color

77.3608, 79.6589, 56.6457

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.6262, 79.1934, 74.2507

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3608, 79.6589, 56.6457 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3608, 79.6589, 56.6457 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, 184) }
```



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

```
.border{ border-color:rgb(255, 227, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3608, 79.6589, 56.6457 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, 184) }
```

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

```
.background{ background-color: rgb(255,  
227, 184) }
```

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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