

# Converting Colors

XYZ(169.8123, 127.4784,  
60.2829)

Have a look what the booklet for  
XYZ(169.8123, 127.4784, 60.2829)  
contains.

<b>XYZ(77.2563, 79.6171, 56.0955)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(77.2563, 79.6171,  
56.0955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3B7
RGB	255, 227, 183
RGB Percent	100%, 89%, 72%
CMY	0.0000, 0.1098, 0.2823
CMYK	0.00, 0.11, 0.28, 0.00
HSL	37°, 100%, 86%
HSV	37°, 28%, 100%
XYZ	77.2563, 79.6171, 56.0955
YIQ	230.3560, 30.8120, -7.7480

# Conversions

## Conversions Part 2

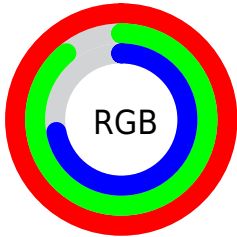
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 255, 183
Decimal	16769975
CIE Lab	91.51, 3.21, 25.04
CIE LCh	92, 25.240, 82.697
Yxy	79.6171, 0.3628, 0.3738
Android (android.graphics.Color)	4294960055 (0xFFFFE3B7)
YUV	230.3560, -23.3465, 21.6128
Hunter-Lab	89.2284, -1.5997, 25.1859

# Details

The XYZ color **77.2563, 79.6171, 56.0955** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.8720, 63.8737, 103.7283**, and the grayscale version is **75.6308, 79.5695, 86.6512**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **41.8077, 42.9871, 27.2129** is the 20% darker color. If you saturate the color by 10%, you get **72.2053, 73.3846, 42.4824**, and if you desaturate by 10%, it is **82.9484, 86.3615, 72.2964**.

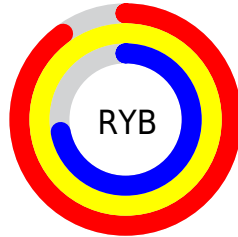
# Distribution



Red (100%)

Green (89%)

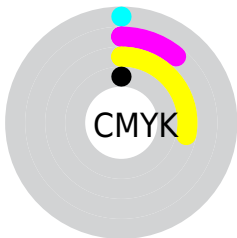
Blue (72%)



Red (90%)

Yellow (100%)

Blue (72%)

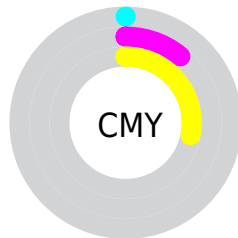


Cyan (0%)

Magenta (11%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2563, 79.6171, 56.0955 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 77.2563, 79.6171, 56.0955 by changing the saturation by 10% instead.





 77.2563, 79.6171,  
56.0955

 77.2563, 79.6171,  
56.0955


474.5160,  
493.6415, 427.4497

 57.7639, 59.4033,  
39.8750


 128.4721,  
132.8273, 100.6314

 41.8614, 42.9379,  
27.1280


160.9263,  
166.5924, 129.7838

 29.1834, 29.8364,  
17.4361


198.4317,  
205.6435, 164.0840

 19.3646, 19.7144,  
10.3807

241.3539,  
250.3649, 203.9505

 12.0396, 12.1876,  
5.5432

290.0580,  
301.1410, 249.8017

 6.8430, 6.8716,  
2.5051

344.9095,

 3.4096, 3.3819,

358.3562, 302.0563

0.8429

406.2737,  
422.3949, 361.1328

■ 1.3739, 1.3342,  
0.0000

■ 0.2375, 0.1675,  
0.0000

■ 77.2563, 79.6171,  
56.0955

■ 77.2563, 79.6171,  
56.0955

■ 72.2053, 73.3846,  
42.4824

■ 82.9484, 86.3615,  
72.2964

■ 67.7608, 67.6376,  
31.3144

■ 89.3021, 93.6217,  
91.2074

■ 63.8936, 62.3630,  
22.4426

95.0500, 100.0000,  
108.9000

■ 60.5695, 57.5426,  
15.6994

■ 57.7496, 53.1564,  
10.8943

■ 55.3883, 49.1816,  
7.8021

■ 53.4241, 45.5888,  
6.1130

■ 53.1039, 44.9879,  
5.8846

# Harmonies

## Analogous

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



83.4171, 79.6171, 61.4624



77.2563, 79.6171, 56.0955



71.0022, 79.6171, 57.9523

# Triad

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



77.2563, 79.6171, 56.0955



64.8301, 79.6171, 101.0838



85.9413, 79.6171, 109.9694

# Complementary

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



77.2563, 79.6171, 56.0955



60.8720, 63.8737, 103.7283

# 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.



80.5457, 79.6171, 123.6343



77.2563, 79.6171, 56.0955



68.4249, 79.6171, 118.0183

# Square

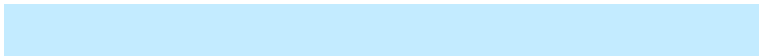
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2563, 79.6171, 56.0955



64.0599, 79.6171, 82.2656



74.1128, 79.6171, 126.7711



88.6125, 79.6171, 91.2692

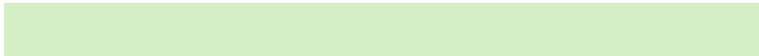


# Rectangle

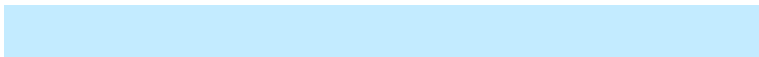
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2563, 79.6171, 56.0955



67.5948, 79.6171, 63.1814



74.1128, 79.6171, 126.7711



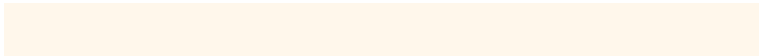
84.3719, 79.6171, 115.4064

# Sweetspot

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



77.2583, 79.6207, 56.0972



89.4593, 93.7984, 91.6845



70.0325, 59.8712, 70.0211



18.9336, 19.8353, 18.9750



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.



77.2583, 79.6207, 56.0972



74.2690, 75.9647, 47.9407



82.9480, 94.8589, 58.7385



18.9336, 19.8353, 18.9750



27.8973, 23.8058, 3.1246



2.8224, 2.5303, 0.3396



# Inverse Universe

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



60.8720, 63.8737, 103.7283



55.3852, 57.8234, 102.8497



56.2695, 52.0609, 101.6908



17.5822, 18.5359, 22.9011



11.9044, 8.7183, 50.4900



1.2614, 1.0535, 4.9501



# Previews

## White Background



This preview shows how the XYZ color 77.2563, 79.6171, 56.0955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

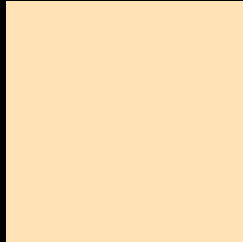
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2563, 79.6171, 56.0955 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 77.2563, 79.6171, 56.0955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2563, 79.6171, 56.0955.



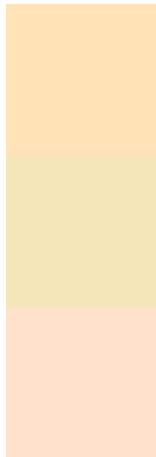
This preview shows how white text looks on a background with the XYZ color 77.2563, 79.6171,



# 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

77.2563, 79.6171, 56.0955

### Protanopia

74.7100, 79.5089, 57.3081

### Deuteranopia

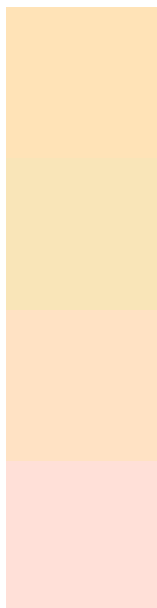
79.0643, 79.4701, 68.2989



## Tritanopia

82.3567, 79.5007, 89.6018

# Trichromacy



## Original Color

77.2563, 79.6171, 56.0955

## Protanomaly

75.7380, 79.6391, 56.7275

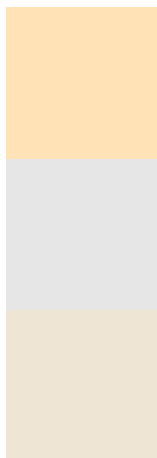
## Deuteranomaly

78.4002, 79.6382, 63.4641

## Tritanomaly

80.2903, 79.5292, 76.0847

# Monochromacy



## Original Color

77.2563, 79.6171, 56.0955

## 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 77.2563, 79.6171, 56.0955 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2563, 79.6171, 56.0955 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, 183) }
```



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

```
.border{ border-color:rgb(255, 227, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2563, 79.6171, 56.0955 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, 183) }
```

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

```
.background{ background-color: rgb(255,  
227, 183) }
```

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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