

# Converting Colors

XYZ(77.7113, 79.5580, 59.2346)

Have a look what the booklet for  
XYZ(77.7113, 79.5580, 59.2346)  
contains.

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# Color

**XYZ(77.6217, 79.3268,  
59.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2BD
RGB	255, 226, 189
RGB Percent	100%, 89%, 74%
CMY	0.0000, 0.1137, 0.2588
CMYK	0.00, 0.11, 0.26, 0.00
HSL	34°, 100%, 87%
HSV	34°, 26%, 100%
XYZ	77.6217, 79.3268, 59.3646
YIQ	230.4530, 29.1610, -5.3590

# Conversions

## Conversions Part 2

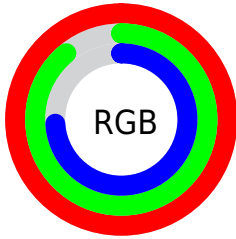
Format	Color
R <sub>Y</sub> B	241, 255, 189
Decimal	16769725
CIE Lab	91.38, 4.51, 21.75
CIE LCh	91, 22.216, 78.295
Yxy	79.3268, 0.3588, 0.3667
Android (android.graphics.Color)	4294959805 (0xFFFFE2BD)
YUV	230.4530, -20.4363, 21.5277
Hunter-Lab	89.0656, -0.3000, 22.8275

# Details

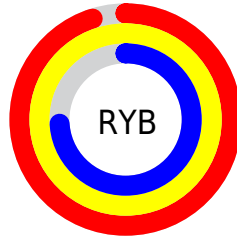
The XYZ color **77.6217, 79.3268, 59.3646** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.1070, 68.1796, 104.3889**, and the grayscale version is **75.6826, 79.6240, 86.7105**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **42.2955, 42.9092, 29.3456** is the 20% darker color. If you saturate the color by 10%, you get **72.1464, 72.4234, 45.0631**, and if you desaturate by 10%, it is **83.7865, 86.8300, 76.2987**.

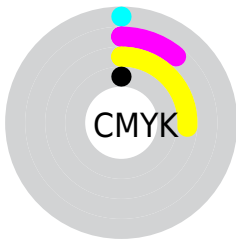
# Distribution



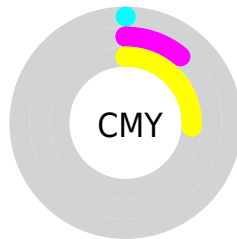
- Red (100%)
- Green (89%)
- Blue (74%)



- Red (95%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (11%)
- Yellow (26%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6217, 79.3268, 59.3646 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 77.6217, 79.3268, 59.3646 by changing the saturation by 10% instead.



 77.6217, 79.3268,  
59.3646

 77.6217, 79.3268,  
59.3646


475.7406,  
492.6612, 439.9912

 58.0650, 59.1645,  
42.4847

 128.9849,  
132.4188, 105.4417

 42.1043, 42.7456,  
29.1526


161.5221,  
166.1174, 135.4761

 29.3745, 29.6856,  
18.9498


199.1168,  
205.0968, 170.7323

 19.5100, 19.6000,  
11.4575

242.1344,  
249.7416, 211.6290

 12.1455, 12.1046,  
6.2574

290.9402,  
300.4360, 258.5847

 6.9158, 6.8150,  
2.9309

345.8996,

 3.4553, 3.3467,

357.5645, 312.0180

1.0595

407.3779,  
421.5114, 372.3473

■ 1.3989, 1.3153,  
0.0000

■ 0.2554, 0.1530,  
0.0000

■ 77.6217, 79.3268,  
59.3646

■ 77.6217, 79.3268,  
59.3646

■ 72.1464, 72.4234,  
45.0631

■ 83.7865, 86.8300,  
76.2987

■ 67.3258, 66.0915,  
33.2539

■ 90.6624, 94.9393,  
95.9862

■ 63.1300, 60.3157,  
23.7909

95.0500, 100.0000,  
108.9000

■ 59.5242, 55.0758,  
16.5107

■ 56.4695, 50.3495,  
11.2283

■ 53.9208, 46.1120,  
7.7278

■ 51.8231, 42.3341,  
5.7416

■ 51.0588, 40.8975,  
5.2029

# Harmonies

## Analogous

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



82.8536, 79.3268, 65.1776



77.6217, 79.3268, 59.3646



72.0408, 79.3268, 60.0881

# Triad

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



77.6217, 79.3268, 59.3646



65.5525, 79.3268, 96.5061



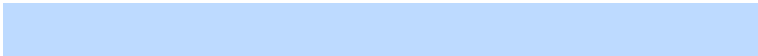
83.7970, 79.3268, 108.7543

# Complementary

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



77.6217, 79.3268, 59.3646



64.1070, 68.1796, 104.3889

# Split Complementary

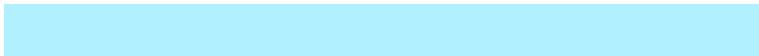
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8574, 79.3268, 119.3852



77.6217, 79.3268, 59.3646



68.4031, 79.3268, 111.7283

# Square

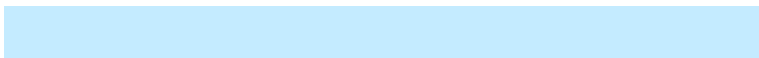
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6217, 79.3268, 59.3646



65.2587, 79.3268, 80.2181



73.2167, 79.3268, 120.5369



86.5361, 79.3268, 92.8358

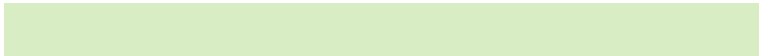


# Rectangle

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



77.6217, 79.3268, 59.3646



68.8679, 79.3268, 64.1971



73.2167, 79.3268, 120.5369



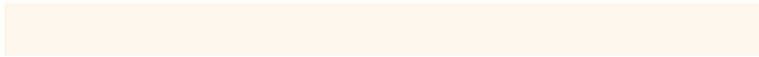
82.3279, 79.3268, 113.1458

# Sweetspot

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



77.6236, 79.3303, 59.3662



89.1450, 93.1697, 91.5797



72.1848, 62.7547, 75.1200



18.8543, 19.6768, 18.9486



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.



77.6236, 79.3303, 59.3662



74.7363, 75.7221, 51.7252



84.9819, 95.8337, 62.1639



18.8543, 19.6768, 18.9486



26.8307, 21.6726, 2.7691



2.7213, 2.3279, 0.3059

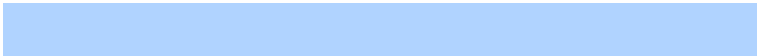


# Inverse Universe

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



64.1070, 68.1796, 104.3889



59.1574, 62.8728, 103.6255



58.0627, 54.8619, 102.1369



17.6596, 18.6909, 22.9269



12.6033, 10.1161, 50.7229



1.3337, 1.1981, 4.9742



# Previews

## White Background



This preview shows how the XYZ color 77.6217, 79.3268, 59.3646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

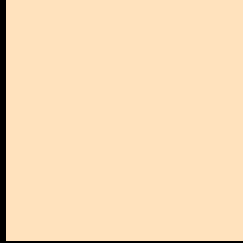
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6217, 79.3268, 59.3646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

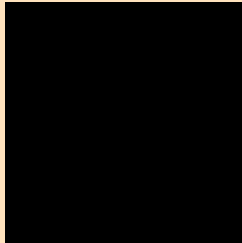
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.6217, 79.3268, 59.3646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6217, 79.3268, 59.3646.



This preview shows how white text looks on a background with the XYZ color 77.6217, 79.3268,



# 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

77.6217, 79.3268, 59.3646

### Protanopia

74.6629, 79.4099, 60.6827

### Deuteranopia

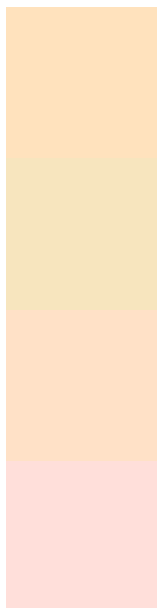
79.1847, 79.5182, 68.9327



## Tritanopia

82.3567, 79.5007, 89.6018

# Trichromacy



## Original Color

77.6217, 79.3268, 59.3646

## Protanomaly

75.6713, 79.5305, 60.0778

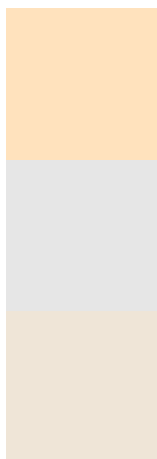
## Deuteranomaly

78.4740, 79.2339, 65.1905

## Tritanomaly

80.2826, 79.0973, 77.3656

# Monochromacy



## Original Color

77.6217, 79.3268, 59.3646

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.8817, 79.2956, 75.5962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6217, 79.3268, 59.3646 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, 226, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6217, 79.3268, 59.3646 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, 226, 189) }
```



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

```
.border{ border-color:rgb(255, 226, 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, 226, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6217, 79.3268, 59.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 189) }
```

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

```
.background{ background-color: rgb(255,  
226, 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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