

# Converting Colors

XYZ(77.7366, 79.4166, 59.8349)

Have a look what the booklet for  
XYZ(77.7366, 79.4166, 59.8349)  
contains.

<b>XYZ(77.7306, 79.3704, 59.9384)</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(77.7306, 79.3704,  
59.9384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2BE
RGB	255, 226, 190
RGB Percent	100%, 89%, 75%
CMY	0.0000, 0.1137, 0.2549
CMYK	0.00, 0.11, 0.25, 0.00
HSL	33°, 100%, 87%
HSV	33°, 25%, 100%
XYZ	77.7306, 79.3704, 59.9384
YIQ	230.5670, 28.8400, -5.0480

# Conversions

## Conversions Part 2

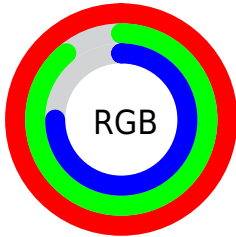
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 255, 190
Decimal	16769726
CIE <sub>Lab</sub>	91.40, 4.64, 21.26
CIE <sub>LCh</sub>	91, 21.763, 77.689
Y <sub>xy</sub>	79.3704, 0.3581, 0.3657
Android (android.graphics.Color)	4294959806 (0xFFFFE2BE)
YUV	230.5670, -19.9995, 21.4277
Hunter-Lab	89.0901, -0.1673, 22.4737

# Details

The XYZ color **77.7306, 79.3704, 59.9384** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.6160, 68.8281, 104.4873**, and the grayscale version is **75.7644, 79.7100, 86.8042**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **42.2955, 42.9092, 29.3456** is the 20% darker color. If you saturate the color by 10%, you get **72.1930, 72.3719, 45.5243**, and if you desaturate by 10%, it is **83.9650, 86.9814, 76.9923**.

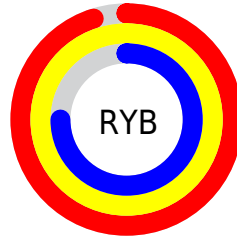
# Distribution



Red (100%)

Green (89%)

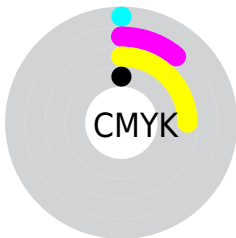
Blue (75%)



Red (95%)

Yellow (100%)

Blue (75%)

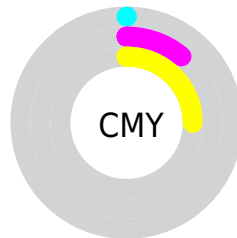


Cyan (0%)

Magenta (11%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7306, 79.3704, 59.9384 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 77.7306, 79.3704, 59.9384 by changing the saturation by 10% instead.





 77.7306, 79.3704,  
59.9384

 77.7306, 79.3704,  
59.9384


476.1053,  
492.8085, 442.1690

 58.1547, 59.2004,  
42.9440

 129.1377,  
132.4802, 106.2828

 42.1768, 42.7745,  
29.5101


161.6995,  
166.1888, 136.4699

 29.4315, 29.7082,  
19.2182

199.3208,  
205.1790, 171.8916

 19.5534, 19.6172,  
11.6496

242.3668,  
249.8352, 212.9666

 12.1772, 12.1171,  
6.3859

291.2029,  
300.5419, 260.1132

 6.9375, 6.8235,  
3.0086

346.1944,

 3.4690, 3.3519,

357.6834, 313.7502

1.0990

407.7068,  
421.6441, 374.2959

■ 1.4064, 1.3181,  
0.0000

■ 0.2608, 0.1552,  
0.0000

■ 77.7306, 79.3704,  
59.9384

■ 77.7306, 79.3704,  
59.9384

■ 72.1930, 72.3719,  
45.5243

■ 83.9650, 86.9814,  
76.9923

■ 67.3170, 65.9574,  
33.6099

■ 90.9177, 95.2115,  
96.8064

■ 63.0727, 60.1111,  
24.0496

95.0500, 100.0000,  
108.9000

■ 59.4254, 54.8123,  
16.6807

■ 56.3360, 50.0386,  
11.3192

■ 53.7595, 45.7647,  
7.7505

■ 51.6414, 41.9614,  
5.7096

■ 50.8021, 40.3842,  
5.1174

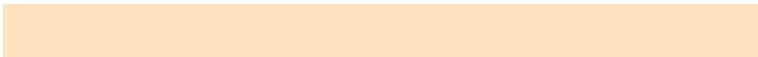
# Harmonies

## Analogous

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



82.8303, 79.3704, 65.7895



77.7306, 79.3704, 59.9384



72.2524, 79.3704, 60.5200

# Triad

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



77.7306, 79.3704, 59.9384



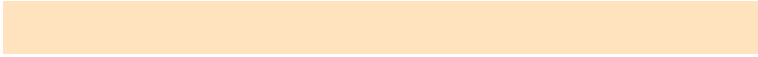
65.7499, 79.3704, 96.0138



83.5838, 79.3704, 108.5981

# Complementary

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



77.7306, 79.3704, 59.9384



64.6160, 68.8281, 104.4873

# Split Complementary

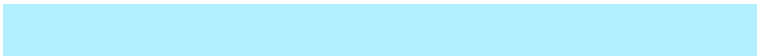
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7183, 79.3704, 118.8229



77.7306, 79.3704, 59.9384



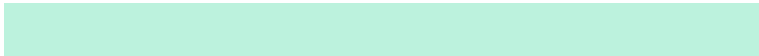
68.5014, 79.3704, 110.9690

# Square

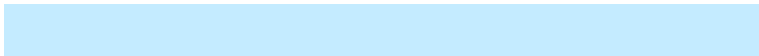
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7306, 79.3704, 59.9384



65.5145, 79.3704, 80.0852



73.1932, 79.3704, 119.7401



86.3188, 79.3704, 93.0821

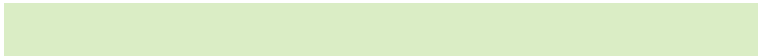


# Rectangle

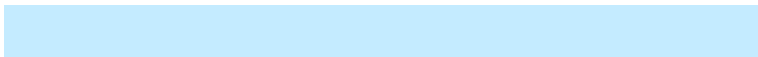
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7306, 79.3704, 59.9384



69.1197, 79.3704, 64.4811



73.1932, 79.3704, 119.7401



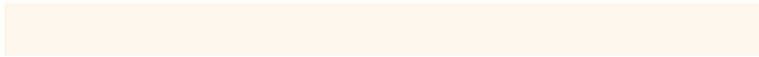
82.1326, 79.3704, 112.8459

# Sweetspot

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



77.7325, 79.3739, 59.9400



89.1031, 93.0859, 91.5657



72.4731, 63.2154, 75.5733



18.8437, 19.6557, 18.9451



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.



77.7325, 79.3739, 59.9400



74.5961, 75.4417, 51.6784



85.1089, 95.8866, 62.7385



18.8437, 19.6557, 18.9451



26.6966, 21.4043, 2.7244



2.7084, 2.3022, 0.3016

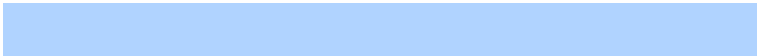


# Inverse Universe

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



64.6160, 68.8281, 104.4873



59.2901, 63.1381, 103.6697



58.5204, 55.4183, 102.2202



17.6700, 18.7117, 22.9304



12.7045, 10.3187, 50.7567



1.3440, 1.2187, 4.9777



# Previews

## White Background



This preview shows how the XYZ color 77.7306, 79.3704, 59.9384 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 77.7306, 79.3704, 59.9384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

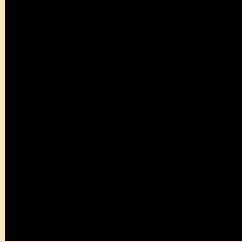
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.7306, 79.3704, 59.9384

## Background



This preview shows how black text looks on a background with the XYZ color 77.7306, 79.3704, 59.9384.



This preview shows how white text looks on a background with the XYZ color 77.7306, 79.3704,

59.9384.

# 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

77.7306, 79.3704, 59.9384

### Protanopia

74.7734, 79.4541, 61.2644

### Deuteranopia

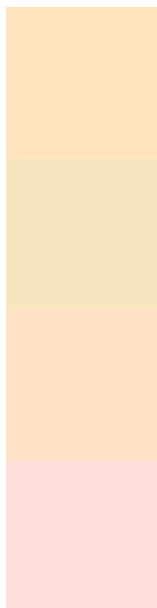
79.1847, 79.5182, 68.9327



## Tritanopia

82.3567, 79.5007, 89.6018

# Trichromacy



## Original Color

77.7306, 79.3704, 59.9384

## Protanomaly

75.7811, 79.5744, 60.6555

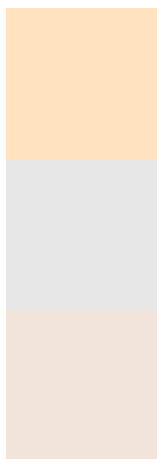
## Deuteranomaly

78.5905, 79.2806, 65.8041

## Tritanomaly

80.4139, 79.1498, 78.0570

# Monochromacy



## Original Color

77.7306, 79.3704, 59.9384

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.3492, 79.5218, 76.2909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7306, 79.3704, 59.9384 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7306, 79.3704, 59.9384 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, 190) }
```



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

```
.border{ border-color:rgb(255, 226, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7306, 79.3704, 59.9384 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, 190) }
```

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

```
.background{ background-color: rgb(255,  
226, 190) }
```

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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